Table of Contents

1. User Information

1.1 Caution

The Playon!HD Essential design and manufacture has your safety in mind. To safely and effectively use this product, please read the following before usage.

1.1.1 Usage Cautions
User should not modify this product. If commercial hard disk is being used, the environmental temperature should be within +5℃ ~ +35℃.

1.1.2 Power
The product's power voltage: DC 12V.
When using this product, please connect the supplied AC adapter to the product's power jack. When placing the power adapter cable, please make sure it is not damaged or subjected to pressure. To reduce the risk of electrical shock, unplug the power adapter first before cleaning it. Never connect the power adapter to the player in a humid or dusty area. Do not replace the power adapter's cable connector by yourself.

1.1.3 Radio Interference
- If not properly shielded, almost all electronic devices will get radio interference. Under some conditions, your player might be subjected to radio interference.
- The design of this player has followed the FCC/CE standard, and has adhered to the following rules:
    (1) This product may not cause harmful interference;
    (2) This product could accept some interference received including interferences that may cause undesired operation.

1.1.4 Repair
If the product is defective, you should take it to an authorized repair center and let the specialists do the repair. Never repair the product yourself or you might risk damaging it or endangering yourself and losing your data.

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

1.1.6 Hard Disk Cautions
This product uses an internal hard disk for data storage and in normal cases, format or repair is not required. You should carefully read the < Frequently Asked Questions > chapter, and check our website for latest information before formatting the hard disk.

- Physical impact may create bad sectors in the hard disk, you can use CHKDSK to diagnose

and fix the problem.

- All data stored in the hard disk may be lost due to physical impact, electrical shock, power lost, formatting etc. We advise that you backup your data periodically.
- It is advisable to run disk 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 holds no responsibility for loss of data stored in the hard disk.

1.1.7 Others

When using this product, please do not let it come into contact with water or other liquid, if water is accidentally spilled on the product, please use a dry cloth to absorb the spillage.

Electronic products are vulnerable during operation, please avoid shaking or hitting it, and do not press the buttons too hard.

✧ Do not let the product come into contact with water or other liquid.

✧ Do not disassemble the product, repair or modify the design of the product, any damage done will not be warranted under our service/repair policy.

✧ Do not press the buttons of the player too hard.

✧ Avoid hitting the player with hard objects, avoid shaking it, and stay away from magnetic objects and interference.

✧ The product may malfunction under electrostatic discharge and strong electromagnetic interference. If it does, please unplug the power cable and the product will return to normal operation the next time it is powered on.

2. Product Introduction

2.1 Product Overview

Thank you very much for purchasing the Playon!HD Essential. We hope you will enjoy using it as a home entertainment partner. This product has the following functionality.

Movie Playback

• Fast forward/rewind
• View subtitle
• Supports major audio, video and image file formats (1080p HD video decoding)
• Subtitle control: color/offset/size
• Movie format: AVI/MKV/TS/TP/TRP/M2TS/MPG/MP4/M4V/MOV/VOB/ISO/IFO/DAT/ WMV/ASF/RM/RMVB/FLV

Music Playback

• Fast forward/rewind

- Shuffle
- Repeat
- Music format: MP3/OGG/WMA/WAV/FLAC

Photo Viewing

- You can view photos in slide show mode with background music.
- Zoom in/out, Rotate
- Photo format: HD JPEG/BMP/GIF/TIF/PNG

USB 2.0 Support

- USB 2.0 device port (for PC connection)
- USB 2.0 host port x 2 (for USB storage devices)

3 in 1 Card reader

- SD/SDHC/MMC/MS/MS Pro

Navigation Options Include

- Search: search by keywords.
- Smart Content Management: lets you view all your media files in one menu regardless of its location in folders or drivers.

File Copy

- Supports copying & moving files among Card, USB, HDD

Note: All the information contained in this manual was correct at the time of publication. However, as our engineers are always updating and improving the product, your device's software may have a slightly different appearance or modified functionality than presented in this manual.

2.2 Package Contents

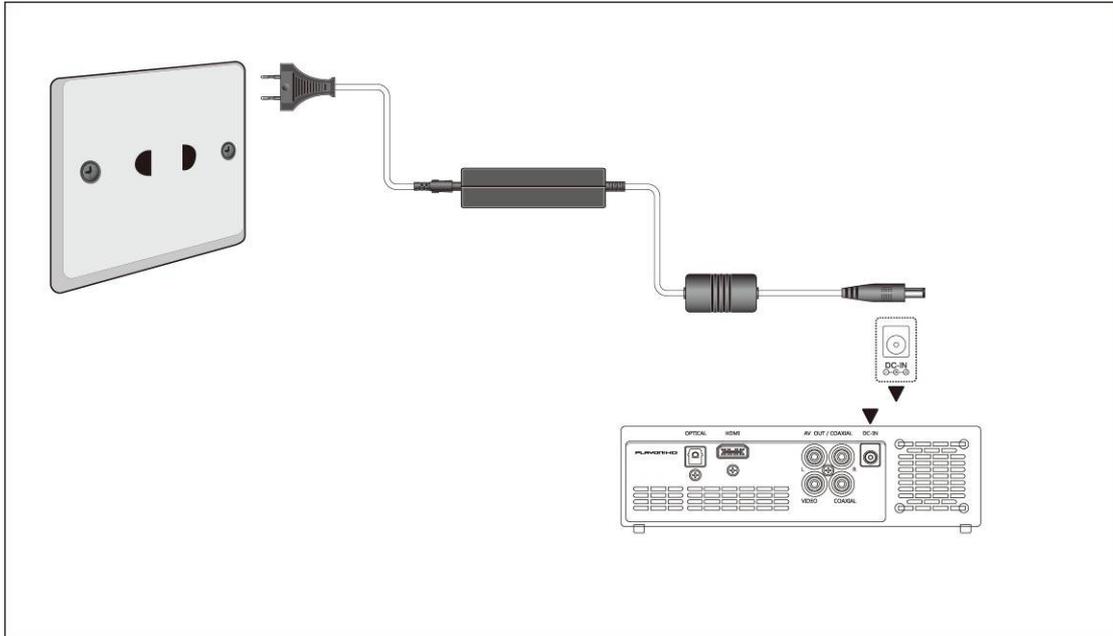| Part	Quantity
AC Ryan Playon!HD Essential	1
A/V cable	1
Remote Control	1
Remote Control Battery	2
AC/DC adaptor	1
Quick Installation Guide	1

Note:

The actual contents in the package might be different from the packing list in this manual.
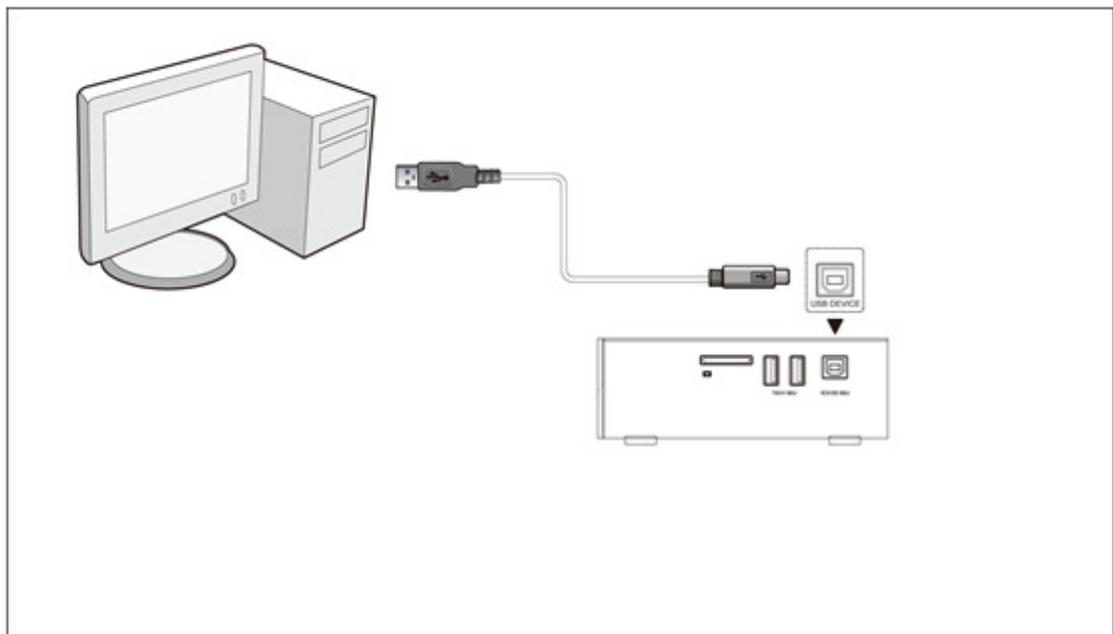
2.3 Connection

2.3.1 Connecting the Power Adaptor

(1) Follow the picture and connect the AC adaptor to the product DC IN jack;

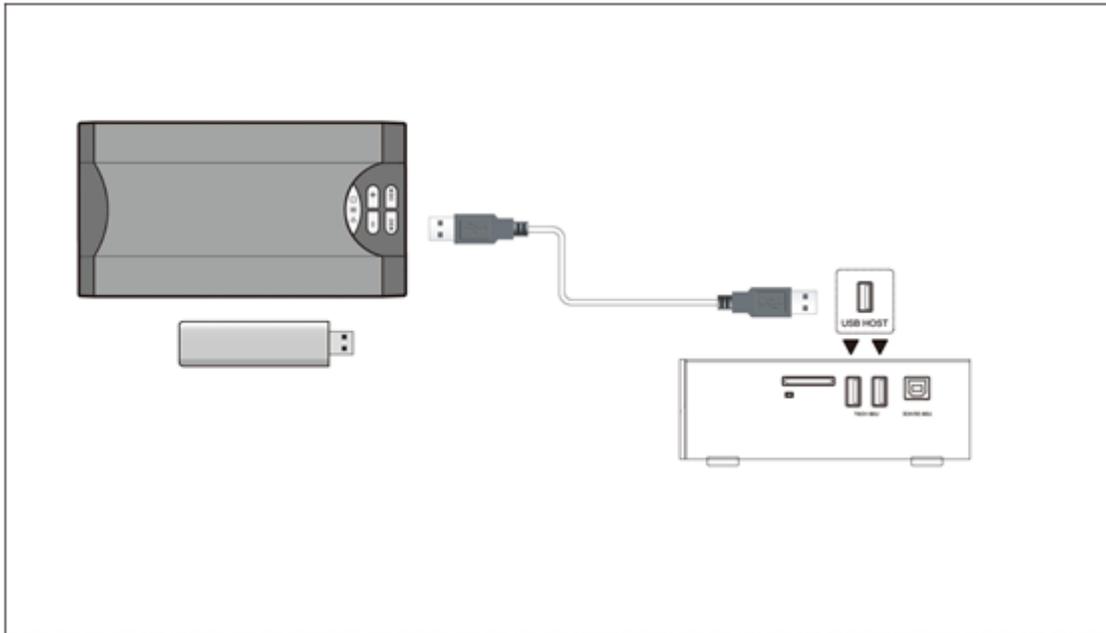(2) Follow the picture and plug in the AC adaptor to the power outlet.

2.3.2 Connecting to a PC

(1) Make sure the product is powered on;

(2) Plug in one end of the USB cable to the product USB device port;

(3) Plug in the other end of the USB cable to your PC.
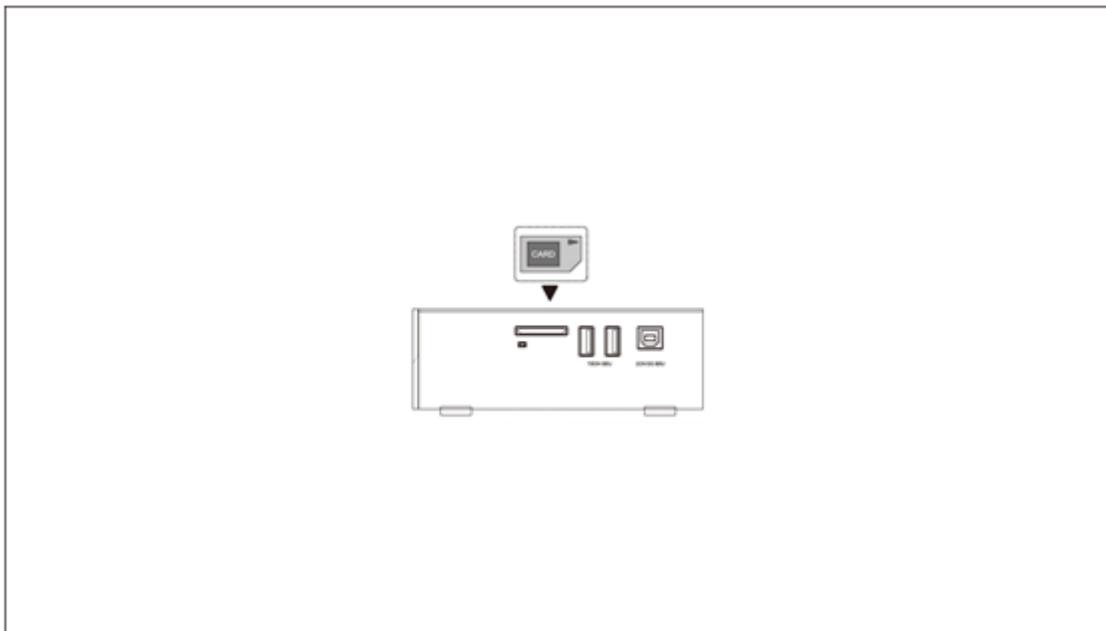
2.3.3 Connecting a USB storage device

(1) Make sure the product is powered on;

(2) Plug in your USB storage device to the USB host ports of the product.

2.3.4 Connecting a Memory Card

Memory card can be used by inserting to the card slot

(1) Follow the picture to insert the memory card to the card slot properly;

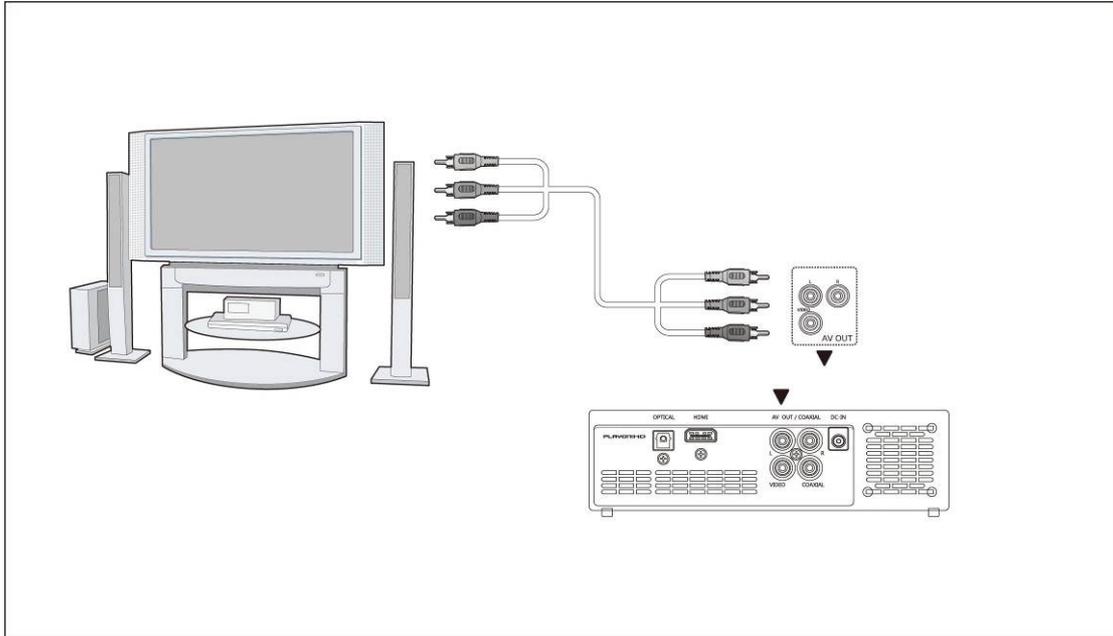(2) Insert the card by following the arrow pointer in the picture.
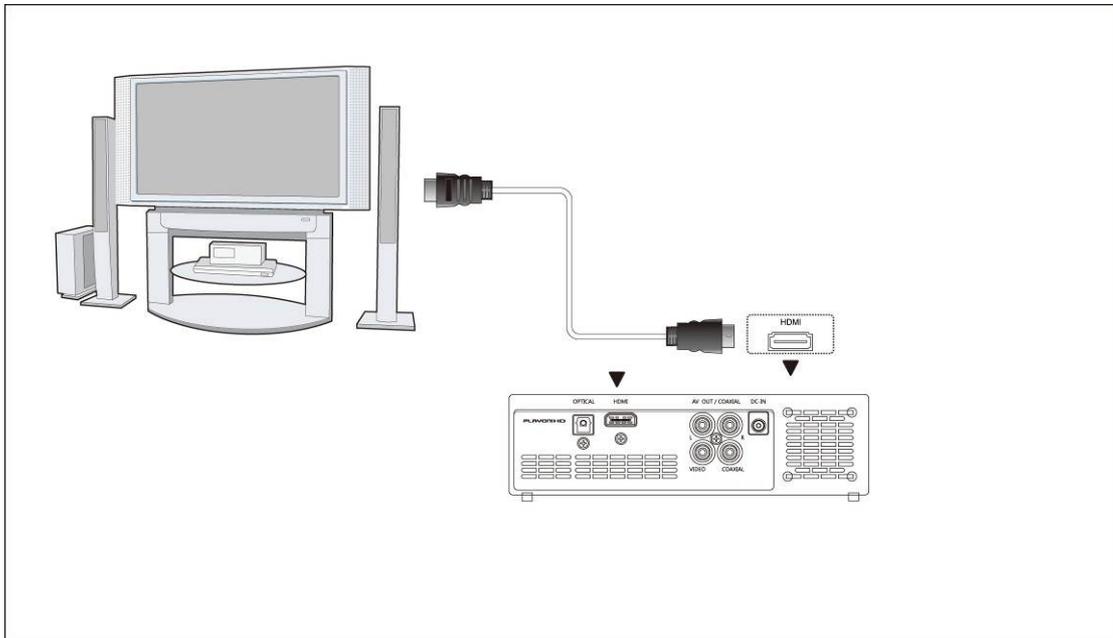

2.3.5 Connecting to a TV

2.3.5.1 A/V OUT

(1) Follow the picture and plug in the 3 color connector to the product'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.

2.3.5.2 HDMI OUT

(1) Follow the picture and plug one end of your HDMI cable to the product's HDMI jack;

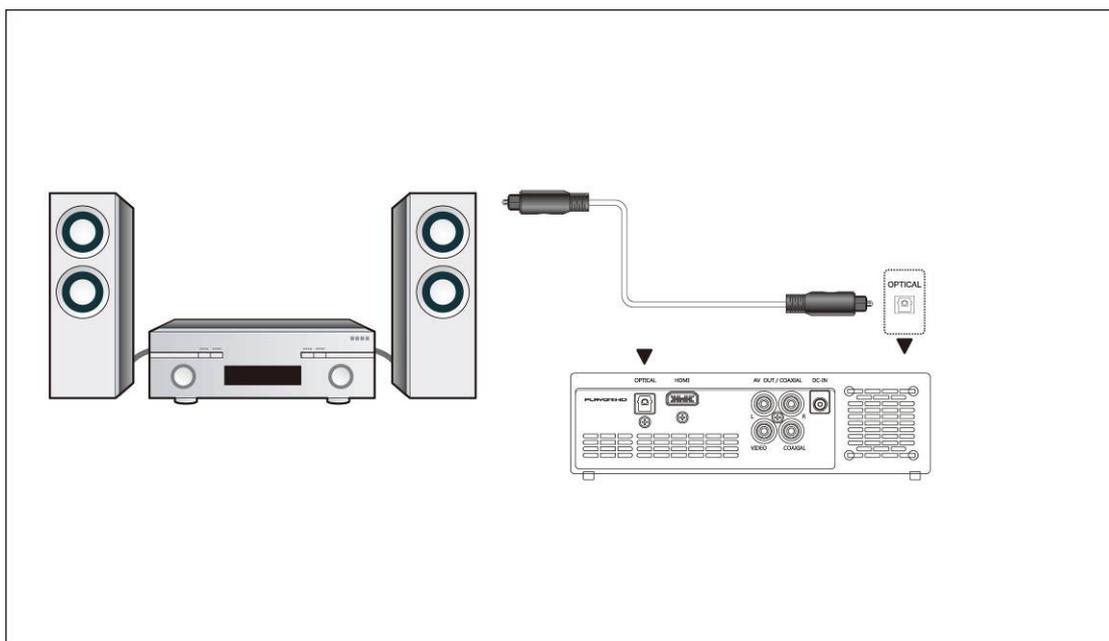(2) Follow the picture and plug the other end of your HDMI cable to the TV's HDMI jack.
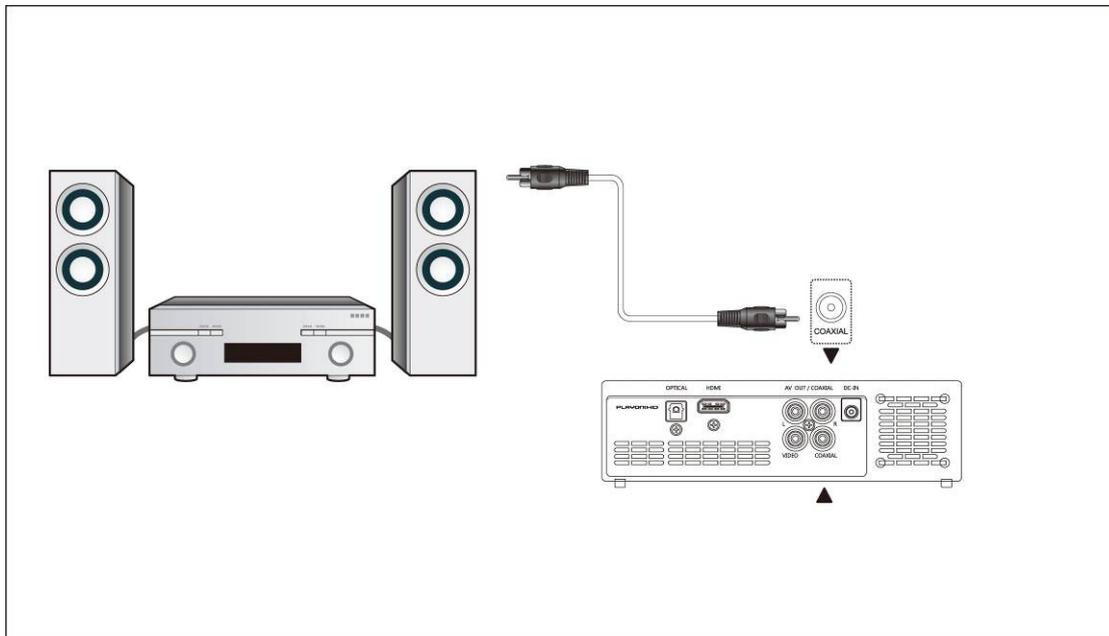

In this way, you can have the highest quality video and audio via a single cable.

2.3.5 Connecting to a Digital Amplifier

(1) Follow the picture and plug in the RCA connector of 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 end of your coaxial cable or optical fiber to the digital audio device (digital amplifier or decoder).

Note: The optical fiber and coaxial cables are not supplied.
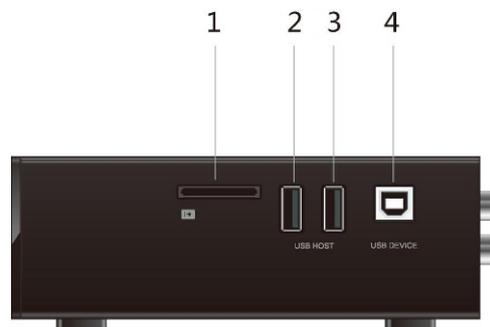
2.4 Front Panel

1. Power button & indicator   2. Infrared receiver window

2.5 Side Panel

1. Memory Card slot   2. USB host port (A-Type)
3. USB host port (A-Type)   4. USB device port (B-Type)

2.6 Back Panel

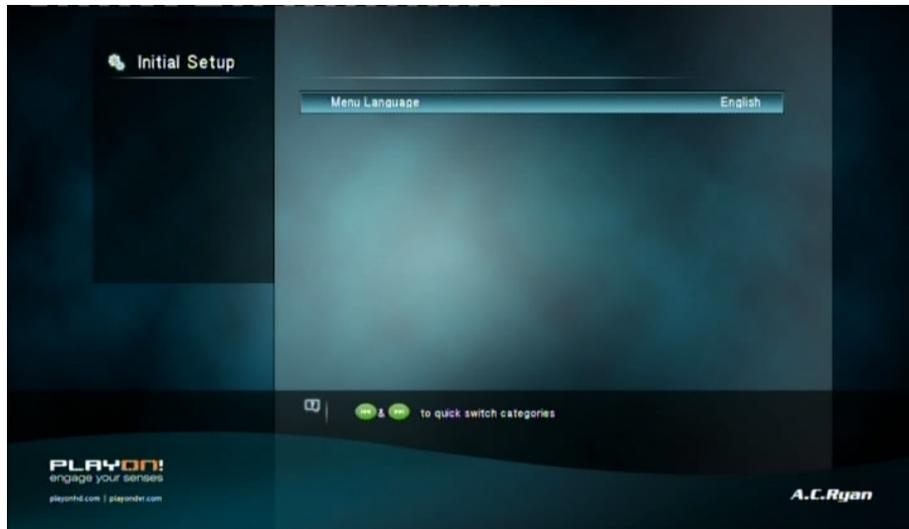1. DC-IN jack   2. HDMI jack
3. A/V OUT jack   4. S/PDIF COAXIAL jack
5. S/PDIF OPTICAL jack

2.7 Menu Language

The system language of this product can be set to English or other languages. Change the language you prefer in the setup menu, and the selected language will take effect immediately.

2.8 Remote Control

1. POWER	2. TV SYS.
3. SETUP	4. PREV
5. VOL+	6. FR
7. VOL-	8. STOP
9. PLAY/PAUSE	10. HOME
11. UP	12. LEFT
13. OK	14. MENU
15. SELECT	16. CONFIRM
17. GOTO	18. SUBTITLE
19. AUDIO	20. ZOOM
21.EDIT	22. DOWN
23. RIGHT	24. RETURN
25. SLOW	26. FF
27. NEXT	28. INFO
29. MUTE	

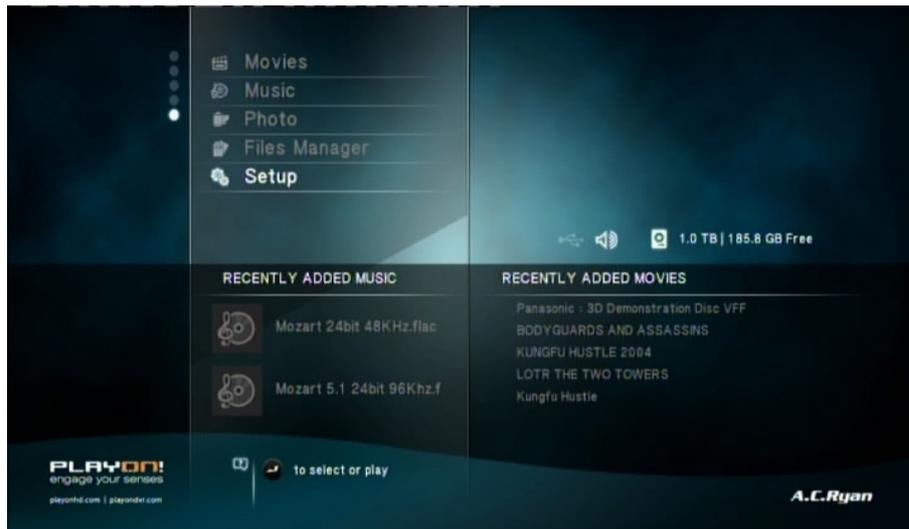| No.	Button	Function
1	**POWER**	Press to enter standby mode or wake up.
2	**TV SYS.**	Press to switch between NTSC, PAL, 480P, 576P, 720P, 1080I, and 1080P.
3	**SETUP**	Press to enter the setup menu.
4	**PREV**	Press to view the previous file / page up.
5	**VOL+**	Press to increase the volume.
6	**FR**	Press to fast rewind the current playback. Press repeatedly to select speeds
7	**VOL-**	Press to decrease the volume.
8	**STOP**	Press to stop playback; Press to stop the download.
9	**PLAY/ PAUSE**	Press to begin/pause playback.
10	**HOME**	Press to enter the home screen.
11	**UP**	Navigational button. Press the arrow buttons to select menu options.
12	**LEFT**	Navigational button. Press the arrow buttons to select menu options.
13	**OK**	Press **OK** button to confirm.
14	**MENU**	Press to enable the option menu, where you can change the setting of file manager view mode, media library; Press to display or hide the option menu during playback.
15	**SELECT**	Press to select files and folders in file copy menu.
16	**CONFIRM**	Press to confirm.
17	**GOTO**	Press to jump to a specific point on a title. Specify the point using Title, Chapter and Time.
18	**SUBTITLE**	Press to set subtitle options. You can change the color/size/offset/text encoding of subtitle.
19	**AUDIO**	Press to switch different audio in your movie.
20	**ZOOM**	Press to zoom the image (photo or video).
21	**EDIT**	Press to enter file editing menu in file manager. Press to enter file selecting menu in media library.
22	**DOWN**	Navigational button. Press the arrow buttons to select menu options.
23	**RIGHT**	Navigational button. Press the arrow buttons to select menu options.
24	**RETURN**	Press to return to the previous screen while navigating menus.
25	**SLOW**	Press to play back in slow motion. Press the **PLAY** button to resume regular playback.
26	**FF**	Press to fast forward the current playback. Press repeatedly to select speeds.
27	**NEXT**	Press to view the next file / page down.
28	**INFO**	Press to display current status. ● Press during playback and an onscreen display appears showing track number and time elapsed/remaining.
29	**MUTE**	Press to mute audio output, and press again to resume.

3 Main Functions

3.1 Setup Menu

The Setup menu allows you to personalize and configure the preferences for your product.
To select a Setup option:

- Enter the Setup menu on the home screen, or press SETUP button on the remote control.

- Use the **PREV**/**NEXT** buttons to select an option.

There are four Setup options, including **System**, **Audio**, **Video**, and **MISC**. Use the **UP**/**DOWN** navigational buttons to select a menu. Press **ENTER** to confirm. Press **RETURN** to cancel and display the previous menu screen.

3.1.1   Changing System Settings

Use this menu to configure system settings.

Menu Language

- Select to choose the OSD (On-Screen Display) language.

Text Encoding

- Select to set the text encoding option (subtitle display)

Screen Saver

- Select to turn on / off screen saver.

Mini KBD Language

- Select to change the language of the mini keyboard.

Scan storage

- Select to set the scan mode of media library.

Resume Play

- Select to turn on / off resume playback (auto-bookmarking) feature for movies.

Format

- Select to format the HDD.
  Note: HDD format will remove all data stored on the hard disk drive. Please take care and backup your data in advance!

Restore Default

- Select to restore factory defaults.

3.1.2   Changing Audio Settings

Use this menu to configure audio settings

Night Mode

- Choose among **Off** / **On** / **Comfort**. If the option is turned on, the audio output volume will be decreased to make you more comfortable.

HDMI Output

- Choose among **LPCM, LPCM Multi-Ch** and **RAW**.

SPDIF Output

- Choose among **LPCM, RAW**.

Note: In raw mode, Dolby Digital, DTS sound can be by passed to the HDMI TV or Digital amplifier.

Due to the bandwidth requirement, Dolby Digtial Plus sound only can be by passed though HDMI calbe, also the TV system must up to 720p or above.

3.1.3   Changing Video Settings

Use this menu to configure video settings.

Aspect Ratio

- **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.

- **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.

- **16:9**: Compress the image to convert the whole image. Select when a 16:9 TV is connected.

- **16:10**: Compress the image to convert the whole image. Select when a 16:10 display is connected.

TV SYSTEM

- Select to adjust TV Type and video output resolution. This setting depends on your regional location. Include:

  NTSC – United States, Canada, Japan, Mexico, the Philippines, South Korea, and Taiwan.

  PAL – Europe, Greenland, parts of Africa and South America, the Mideast, China, India, Australia, and Indonesia.

  Resolution - video output resolution

Digital Noise Reduction

- Select to turn on/off digital noise reduction .

1080p 24Hz

- Choose this option to enable or disable 1080P 24HZ support. A TV set with 1080P 24HZ (24P) mode is needed.

3.1.4   Miscellaneous

Use this menu to adjust miscellaneous settings.
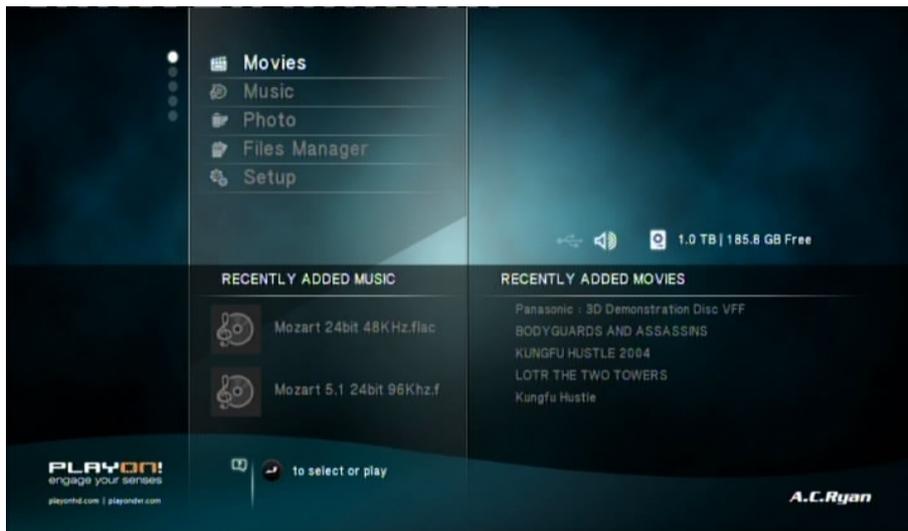

Version Info

- This tab gives you information about the software installed and about the material components of your player.

USB Upgrade

-   Select to update the firmware via a USB stick.

    1) Copy 'install.img' to the root directory of a USB stick, and connect it to the USB HOST port of the player.
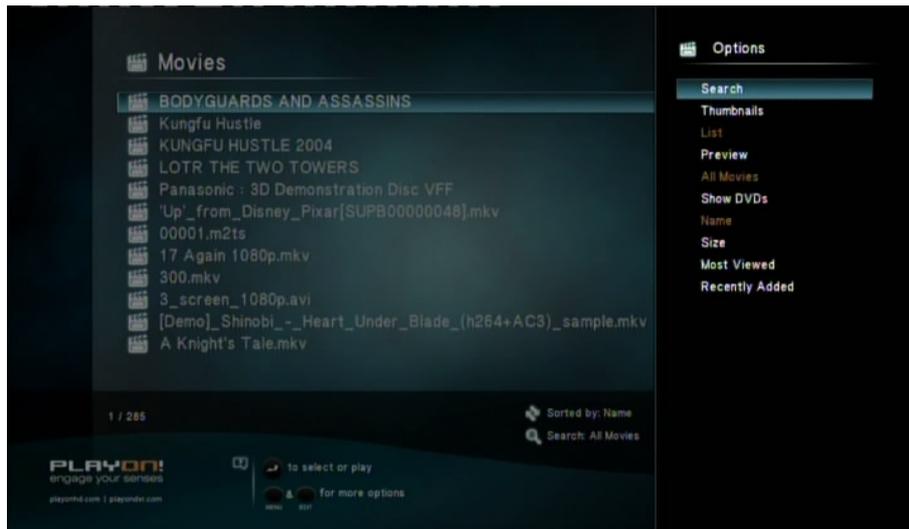
    2) Press **ENTER** to confirm.

3.2 Movie Playback

Enter into movie interface, only supported files will be displayed. Please refer to **Appendixes** in chapter *'5.1 Specifications'* for more details about the supported files.

3.2.1 Movie Library Options

In movie library, press **MENU** button to display the option menu, you can get following functions though the option menu.

Quick-Search

- Choose the **Search** option in the option menu, you can search for a media file by filter media library to locate the specific media file.

Review Mode

- Choose a review mode among **Thumbnails**, **List**, **Preview** from option menu.

Sorting Mode

- Choose to sorting by **Name**, **Size**, **Most Viewed** or **Recently Added** from option menu.
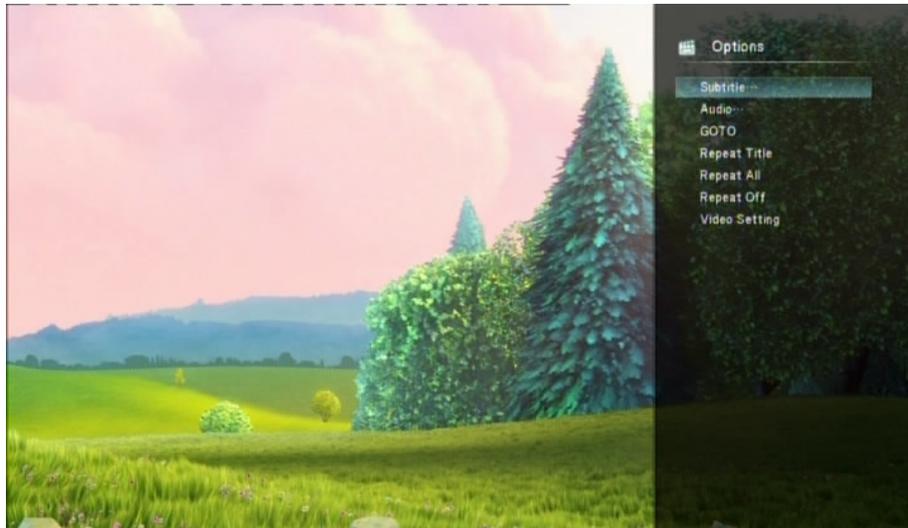
3.2.2 Movie Playback Control

You can access the following functions during playback.

Button	Function
PLAY/PAUSE	Pause or resume the current playback.
PREV / NEXT	View the previous or next file/chapter.
FR/FF	Fast rewind or fast forward. Press repeatedly to select the speed.
SLOW	Play back in slow motion.
GOTO	Jump to a specific point on a title. Specify the point using Title, Chapter and Time.
MENU	Display or hide the option menu during playback.
STOP	Stop playback.
VOL+/-	Increase/decrease the volume.
AUDIO	Select an audio track.
SUBTITLE	Select a subtitle and change the color/size/offset/text encoding of subtitle.
REPEAT	Set the repeat option.
ZOOM IN/OUT	Zoom in/out the image.

INFO	View the media information.

3.2.3 Movie Playback Options

During movie playback, press **MENU** button to display or hide the option menu at the bottom of the screen.

Except select audio track, subtitle, repeat mode, you also can get following functions though the Option menu during video playback.

DVD Menu

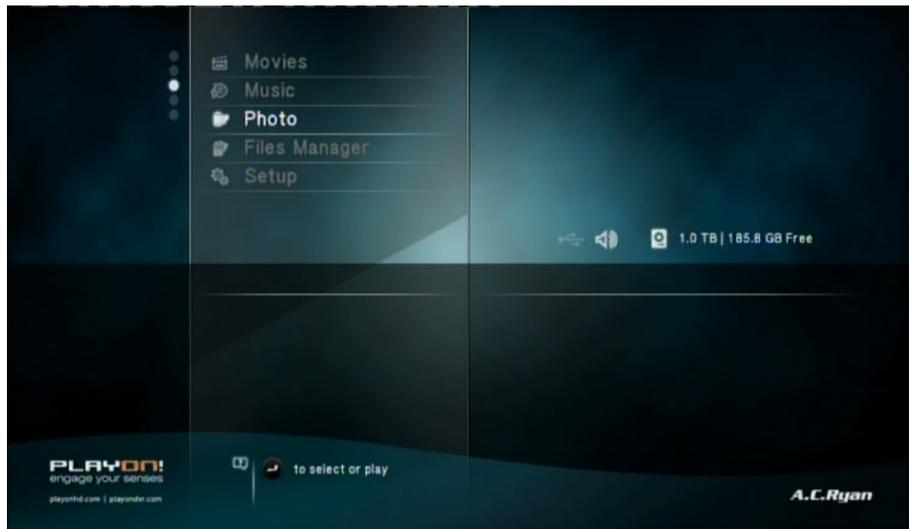- Select to return to the navigation menu during DVD IFO or ISO playback.

GOTO

- Select to jump to a specific point on a title. Specify the point using Title, Chapter and Time.

Video Setting

- Select to adjust the value of **Brightness, Contrast, Saturation and Hue**.

3.3 Photo Playback

Enter into photo interface, only supported image files will be displayed. This player supports JPG/JPEG/BMP/files.

3.3.1 Photo Library Options

In photo library, press **MENU** button to display the option menu, you can get following functions though the option menu.

Quick-Search

- Choose the **Search** option in the option menu, you can search for a photo by filter photo library to locate the specific photo.

Review Mode

- Choose a review mode among **Thumbnails**, **List**, **Preview** from option menu.

Sorting Mode
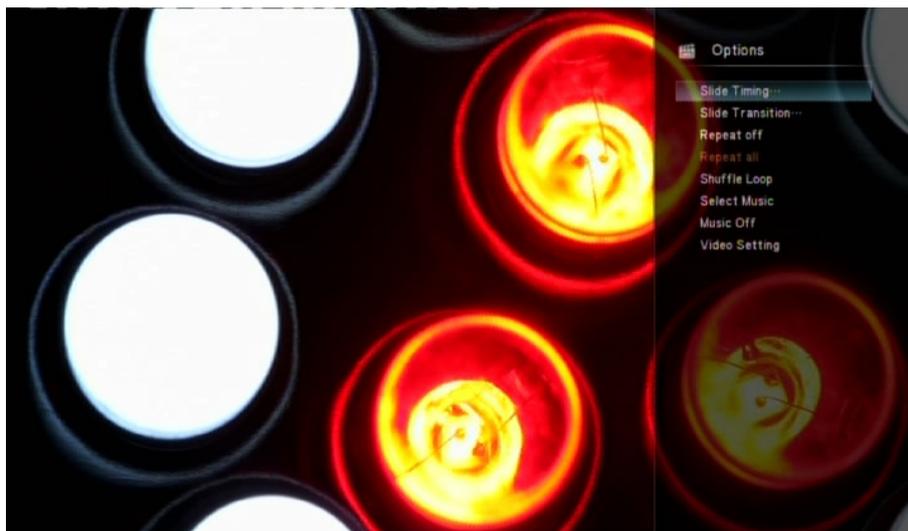
- Choose to sorting by **Name**, **Recently Added** or **Recently Played** from option menu.

3.3.2 Photo Playback Control

You can access the following functions during photo playback.

Button	Function
PREV / **NEXT**	View the previous or next photo.
UP / **DOWN**	Rotate a photo in any angle.
MENU	Display or hide the option menu during playback.
STOP	Stop playback.
ZOOM IN/OUT	Zoom in/out the image.

3.3.3 Photo Playback Options

During photo playback, press **MENU** button to display or hide the option menu at the bottom of the screen. You can get following functions though the Option menu during photo playback.

Slideshow Control

- Select to choose the **Interval** and **Transition effect** of the slideshow.

Repeat Mode

- Choose a repeat mode among **Repeat off, Repeat all** and **Shuffle Loop** from option menu.
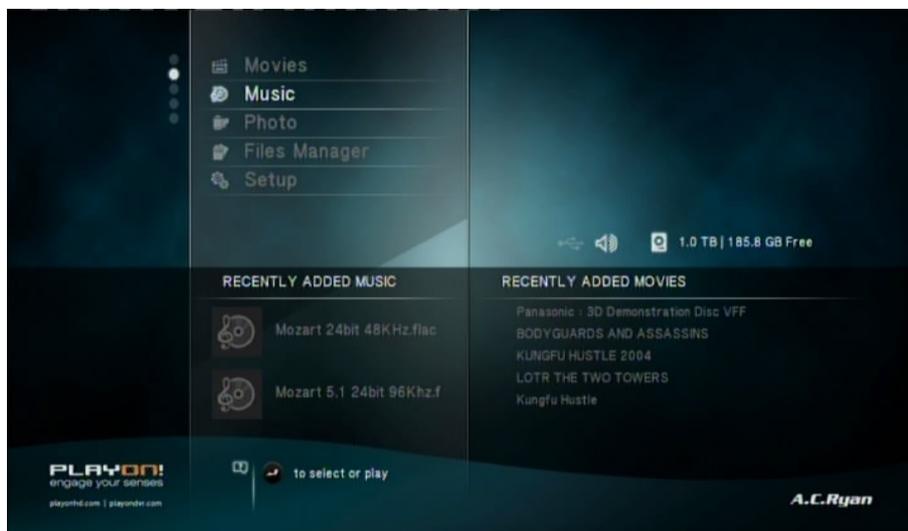
Select Music

- Select to turn on/off background music during slideshow playback.
- Select a special music as the background music during photo playback.

Video Setting

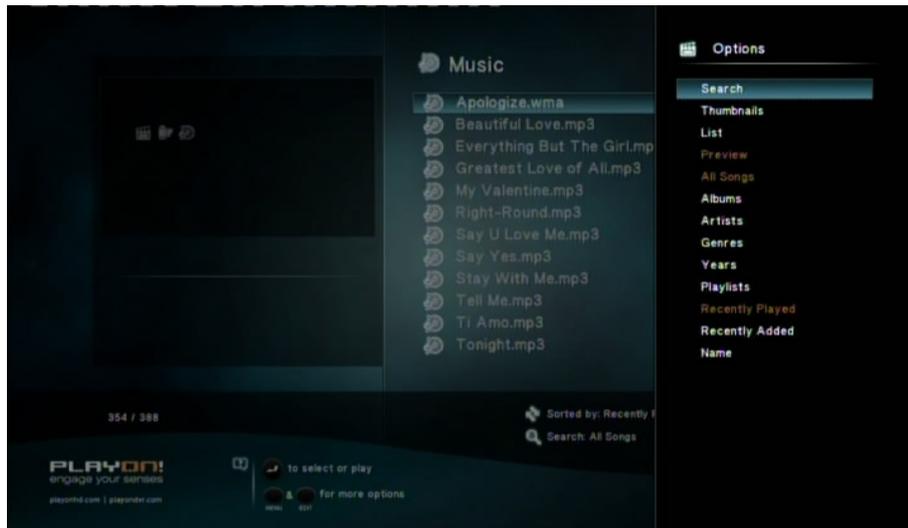- Select to adjust the value of **Brightness, Contrast, Saturation and Hue**.

3.4 Music Playback

Enter music interface, only supported audio files will be displayed. This player supports MP3, WMA, and OGG audio files.

3.4.1 Music Library Options

In music library, press **MENU** button to display the option menu, you can get following functions though the option menu.

Quick-Search

- Choose the **Search** option in the option menu, you can search for a photo by filter music library to locate the specific music.

Review Mode

- Choose a review mode among **Thumbnails**, **List**, **Preview** from option menu.

Filter options

- Choose **Albums** to search for music files by album.
- Choose **Artists** to search for music files by artist.
- Choose **Genres** to search for music files by genre.
- Choose **Years** to search for music files by modified year.

Sorting Mode

- Choose to sorting by **Name**, **Recently Added** or **Recently Played** from option menu.
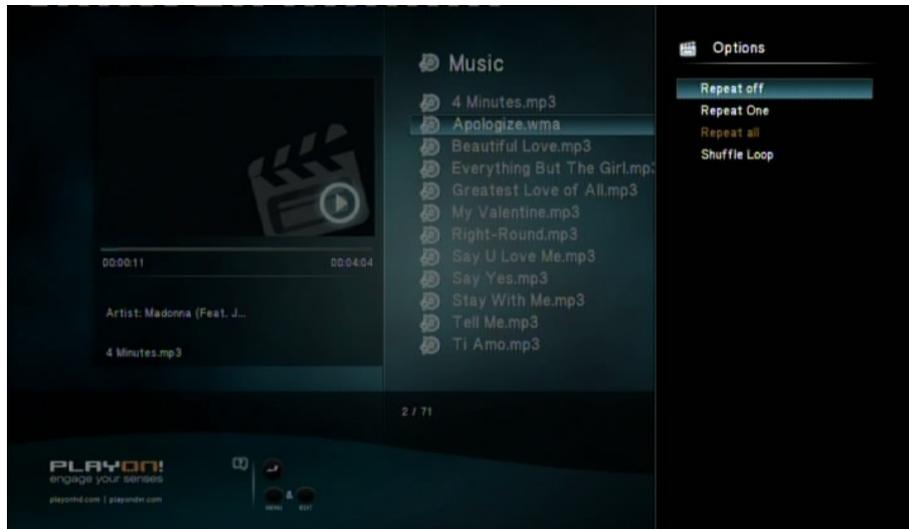
3.4.2 Music Playback Control

You can access the following functions during music playback.

Button	Function
PLAY/PAUSE	Begin/Pause playback.
FR / **FF**	Fast rewind or fast forward. Press repeatedly to select the speed.
PREV / **NEXT**	View the previous or next movie.
MENU	Display or hide the option menu during playback.
VOL+/-	Increase/Decrease the volume.
REPEAT	Set the repeat option.

3.4.3 Music Playback Options

During music playback, press **MENU** button to display or hide the option menu at the bottom of the screen. You can get following functions though the Option menu during music playback.
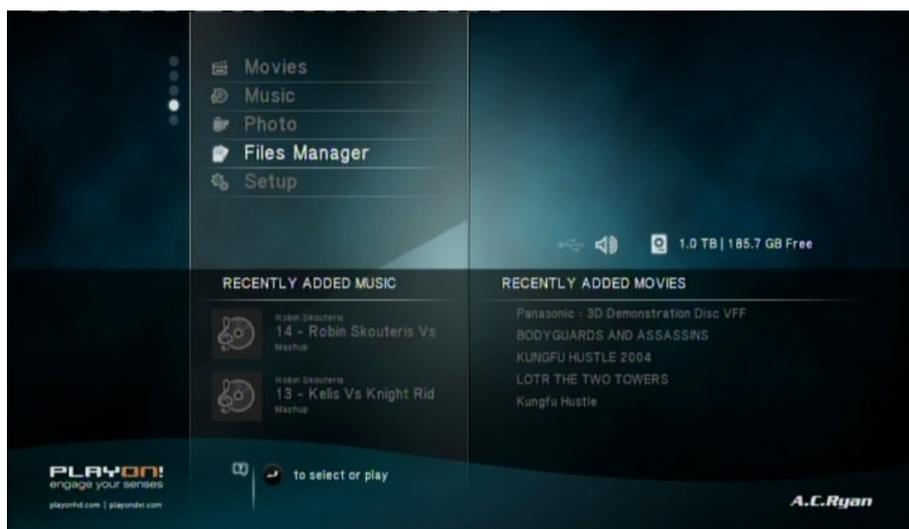

Repeat Mode

- Choose a repeat mode among **Repeat off, Repeat one, Repeat all** and **Shuffle Loop** from option menu.

3.5 Files Manager

The file manager allows you to browse and play music, photo and movie files stored on an internal HDD, external USB device and memory card.

3.5.1 File Manager Options

In file manager, press **MENU** button to display the option menu, you can get following functions though the option menu.
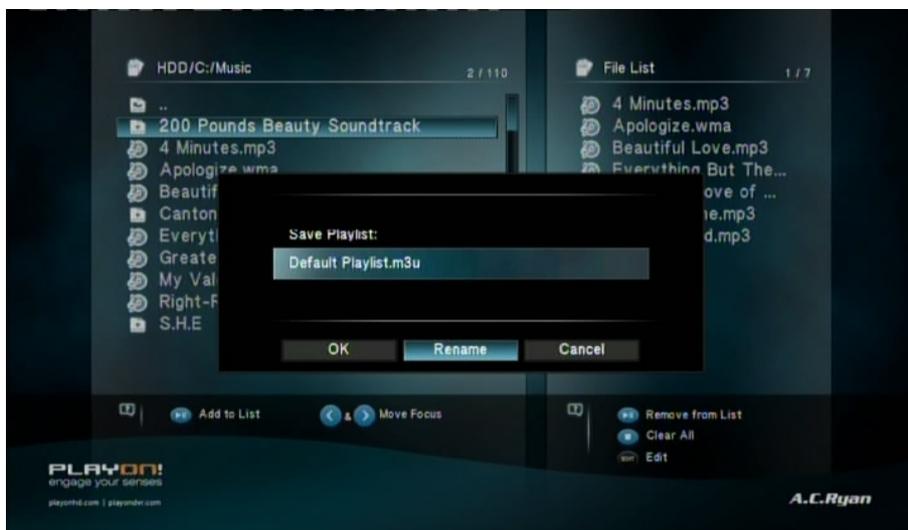

Review Mode

- Choose a review mode among **Thumbnails**, **List**, **Preview** from option menu.
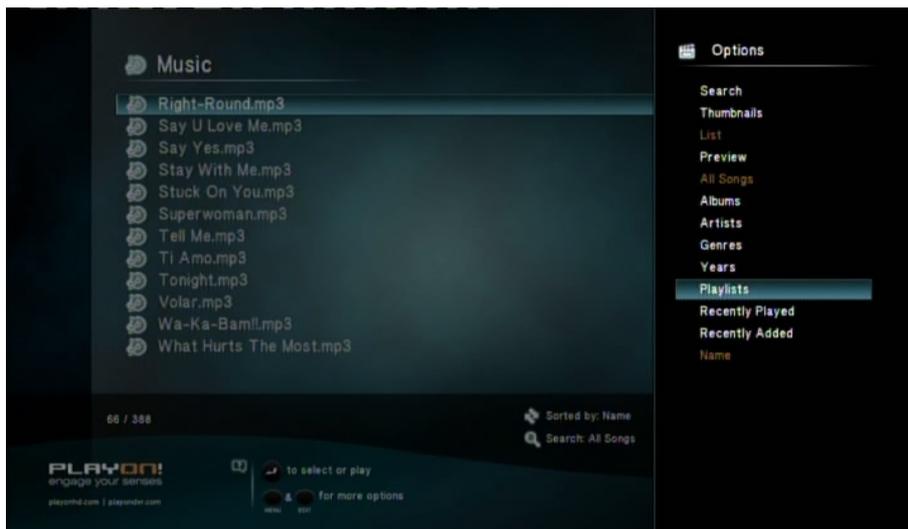
3.6 Playlist management

3.6.1 Music playlist

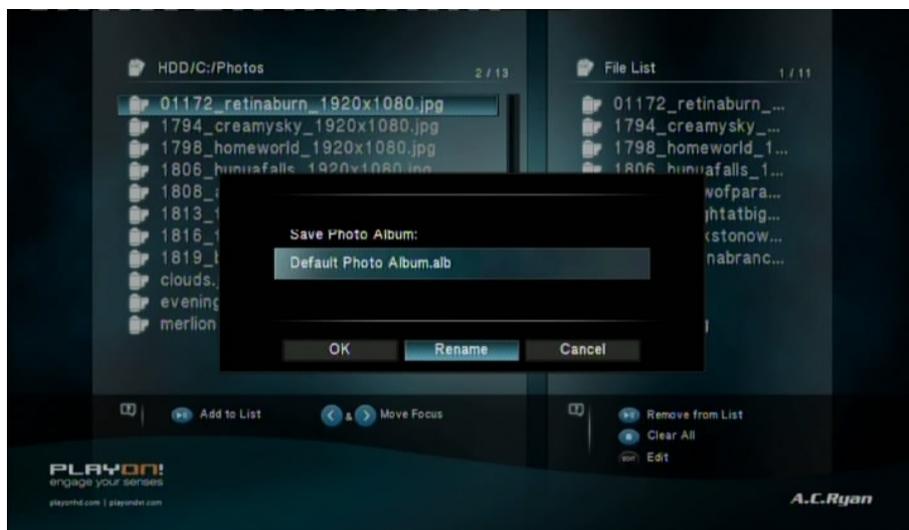Select music files in file selecting menu, and then save them to playlist.

Enter music library, press **MENU** button and choose **Playlists** to show your music playlists.
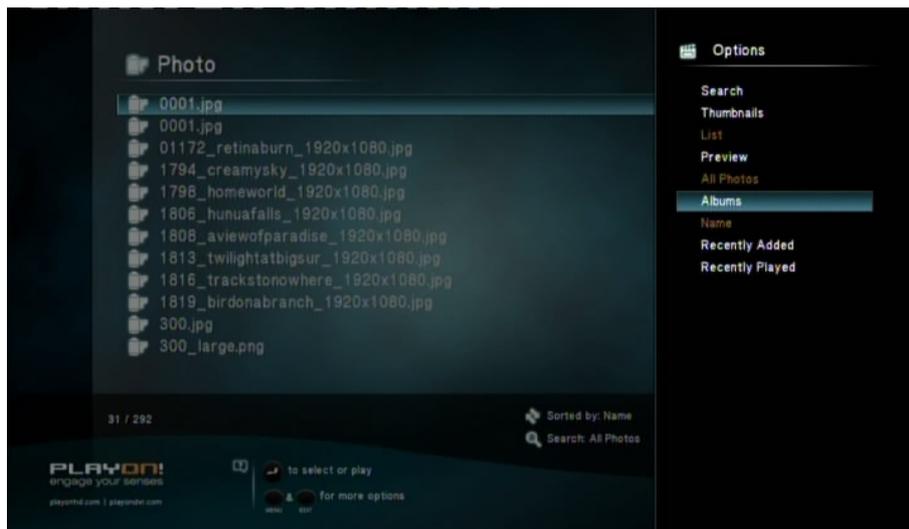

3.6.2 Photo Album

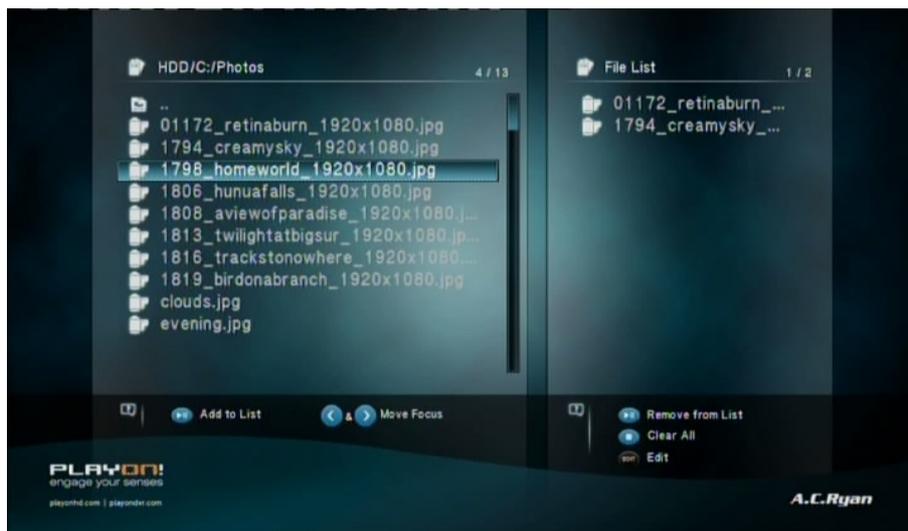Select photos in file selecting menu, and then save them to photo album.

Enter photo library, press **MENU** button and choose **Albums** to show your photo albums.
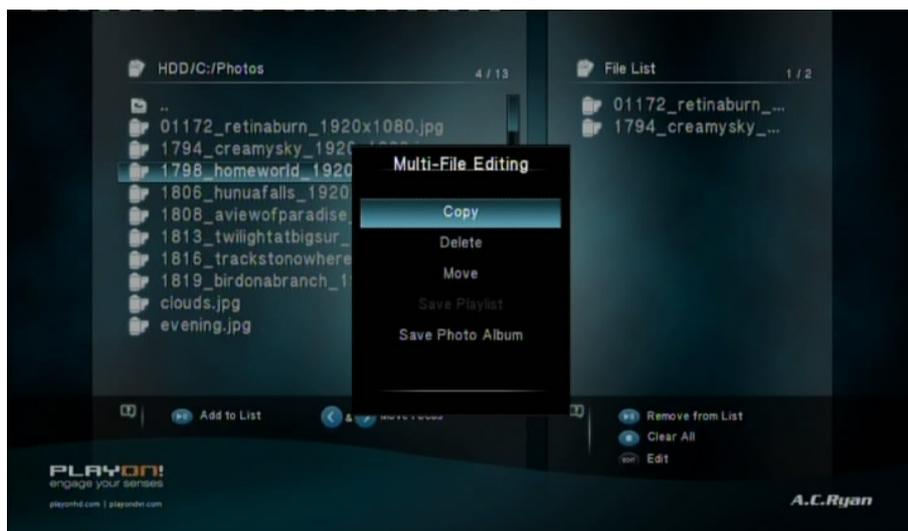

3.7 Copy Function

3.7.1 Copy under Media Library

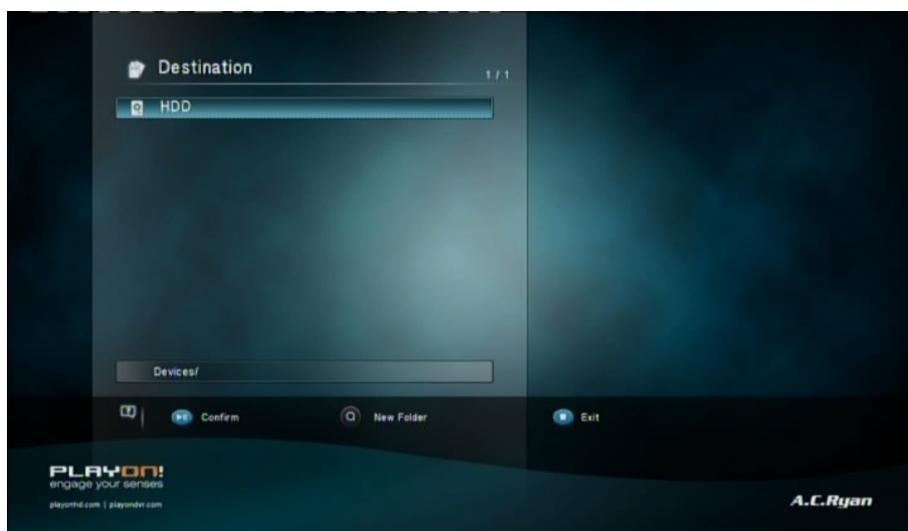Step 1 ,press **Edit** button to enter file selecting menu.

Step 2,press **Select** button to select file or folder which you want to copy to the list.

Step 3,press **Confirm** button to enter multi-file editing menu.

Step 4,Select destination, and then follow the prompt on screen to finish the copy process.

3.7.2 Copy under File Manager

Press **Edit** button to enter file editing menu, choose **Copy** and follow the prompt on screen to finish the process. If you want to select more files and folders, please choose **Multiple Select** to enter the file selecting menu.

4 Upgrading the Firmware

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

Step 1, Copy 'install.img' to the root directory of a USB stick, and connect it to the USB HOST port of the player.
Step 2, Press and hold the **power** / **standby** button on the front panel, and do not loosen.
Step 3, Plug the power cable into the DC IN jack, wait for about 5 seconds or more, and then loosen your finger on the **power** / **standby** button;

Firmware installation will start. There is another way for upgrading. Please refer to **USB Update** in chapter '*3.1.4* **Miscellaneous**' for more details.

5 Appendixes

5.1 Specifications

I/O INTERFACES SUPPORTED:
- 3.5" SATA HDD
- USB 2.0 HOST port (compatible to USB 1.1)
- Memory Card slot (supports SD/MMC/MS/MS Pro)

- USB Device port
- Composite (CVBS) A/V jack
- HDMI V1.3 interface
- S/PDIF optical and coaxial jack
- DC-IN 12V 1.5A

FILE SYSTEM SUPPORTED:
- FAT/FAT32/NTFS/HFS+

CONTENT FORMATS SUPPORTED:
- AVI/MKV/TS/MPG/MP4/MOV/VOB/ISO/IFO/DAT/WMV/RM/RMVB, resolution up to 720p/1080i/1080p
- MP3/OGG/WMA/WAV/FLAC
- HD JPEG/BMP

VIDEO CODECS SUPPORTED:
- MPEG-1
- HD MPEG-2
- HD MPEG-4 SP/ASP/AVC (H.264)
- WMV9 (VC-1)
- RealNetworks (RM/RMVB) 8/9/10, up to 720p

AUDIO CODECS SUPPORTED:
- MP2/3, OGG Vorbis, WMA Standard (DRM, and Advanced Profile not supported), PCM, LPCM, RA, DTS, Dolby Digital, Dolby Digital Plus)

SUBTITLE FORMATS SUPPORTED:
- SRT, SMI, SSA,SUB, IDX+SUB

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

5.2 Frequently Asked Questions

Question 1. 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 2. 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 3. 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 4. 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 5. During power on, why does the TV will have a short flashing, blue screen or screensaver?
Answer:
This is normal, when the system initializes, 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's will treat this as no signal, and will display a blue screen or screensaver.

Question6. 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.

6 Copyrights and Trademarks

Copyrights

Trademarks

Microsoft and Windows are registered trademarks of Microsoft Corporation.
All other trademarks are property of their respective holders.

7. 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.

8 GPL Statement

This product contains free software which is licensed under the GNU General Public License. After you purchase this product, you may procure, modify or distribute the source code of the GPL/LGPL software that is used in this product.

To obtain a copy of our open source software, please contact our support center and we will provide you with a CD-ROM of the source code that is used, charging only the actual expense involved. However, please be noted that we can not provide guarantee with the source code, and there is also no technical support for the source code from us.