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1. Introduction

1.1 Preface

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

A/V Output

- HDMI V1.3 for high-definition video and digital audio
- Composite & component video and stereo audio for analog audio-visual connection
- S/PDIF coaxial & optical interface for high-fidelity digital audio
- Adjustable video output resolution (NTSC, PAL, 480p, 576p, 720p, 1080i, 1080p)

Multimedia Playback

- Supports major audio, video and image file formats (1080p HD video decoding)
- Movie format: AVI/MKV/TS/TP/TRP/M2TS/MPG/MP4/M4V/MOV/VOB/ISO/IFO/DAT/WMV/ASF/RM/RMVB/FLV
- Music format: MP3/OGG/WMA/WAV/AAC/FLAC
- Photo format: HD JPEG/BMP/GIF/TIF/PNG
- Photo slide show with background music

DVB-T Digital TV Tuner

- Supports Digital Video Broadcasting Terrestrial (DVB-T) TV reception
- Supports dual-tuner, allowing to watch different program while recording another
- Supports Electronic Program Guide (EPG), Teletext and subtitle
- Supports loop-out DVB-T signal received from aerial.

Video Recording

- Supports one button recording and scheduled recording, can easily record programs from DVB-T, DVD player, DV, etc., and saves as MPEG-2 (.mpg, or .ts) format;
- Supports time-shifting function

Network Feature

- A/V streaming/transmission via Ethernet (10M/100M) & Wi-Fi (802.11b/g/n, optional)
- File sharing via Samba server
- A/V streaming via UPnP Media Server
- BitTorrent download (controlled and managed via web server)
- Internet Radio (SHOUTcast)

File Copy

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

eSATA / USB 2.0 Support

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

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.

1.2 Packaging List

Part	Quantity
AC Ryan Playon!DVR ^{HD}	1
A/V cable	2
Y/Pb/Pr cable	1
USB cable	1
Remote Control	1
Remote Control Battery	2
AC/DC adaptor	1
AC/DC adaptor Power Cord	1
Digital Antenna	1
User Manual (printed)	1
AC Ryan HDMI cable	1
Playon! Wireless-N USB adaptor	1 (optional)

Note:

The actual contents in the package may be different from the packaging list in this manual.

1.3 Cautions

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

1.3.1 Usage Cautions

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

1.3.2 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 product in a humid or dusty area. Do not replace the power adapter's cable or connector by yourself.

1.3.3 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.

1.3.4 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 by yourself or you might risk damaging it or endangering yourself and losing your data.

1.3.5 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.

1.3.6 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 your 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.

1.3.7 Others

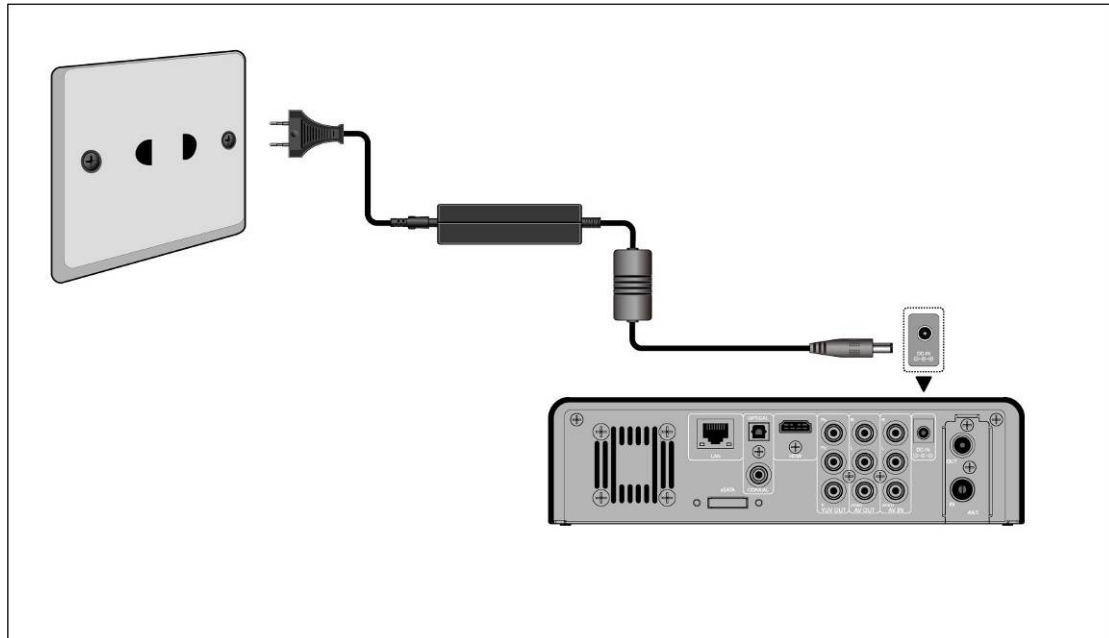
When using this product, please do not let it come into contact with water or other liquid. If water is accidentally spilled on the product, please use a dry cloth to absorb the spillage. Electronic products are vulnerable during operation, please avoid shaking or hitting it, and do not press the buttons 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 product too hard.
- ✧ Avoid hitting the product 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.

1.4 Connection

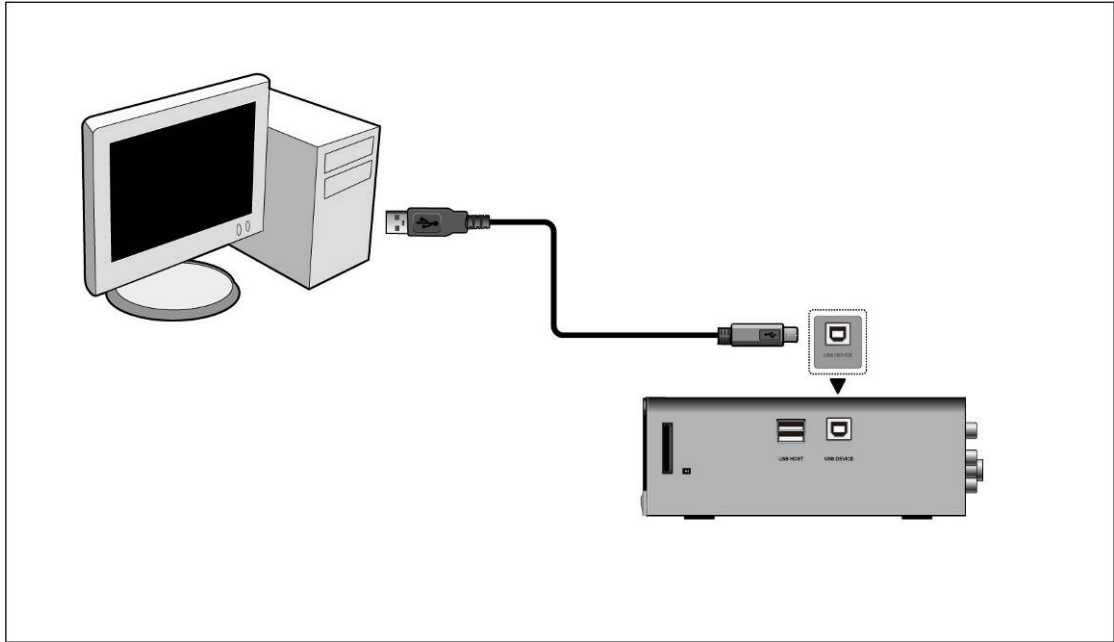
1.4.1 Connecting the Power Adaptor

- (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.



1.4.2 Connecting to a PC

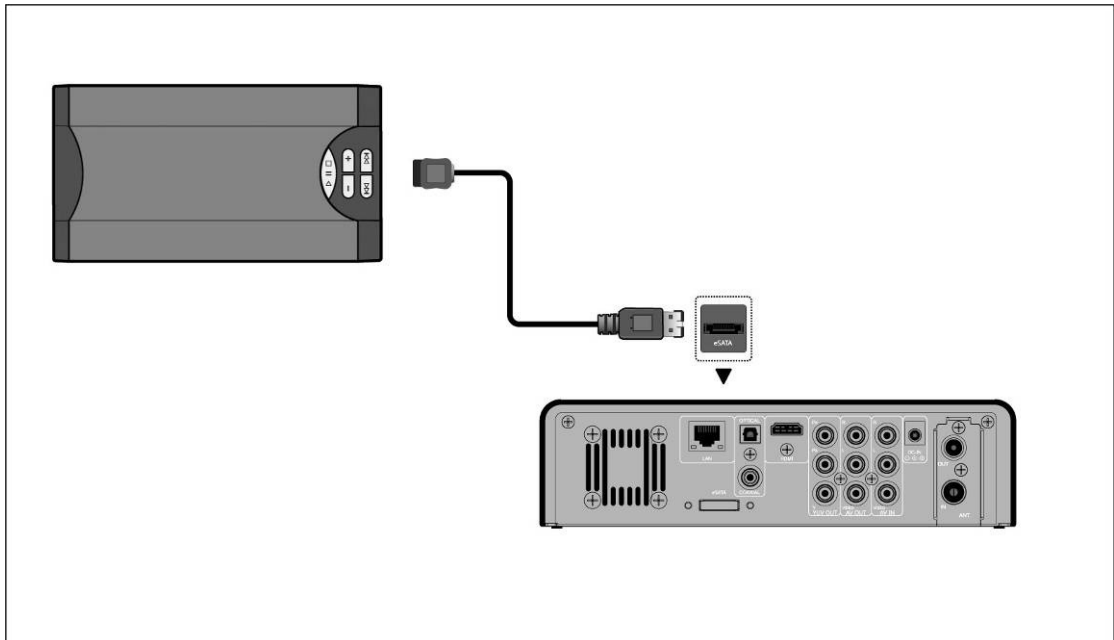
- (1) Make sure the product is powered on;
- (2) Plug in one end of the USB cable to the product USB device port;
- (3) Plug in the other end of the USB cable to your PC.



In this way, you can manage the content of the internal hard disk on your local PC.

1.4.3 Connecting to an eSATA (External Serial ATA) storage device

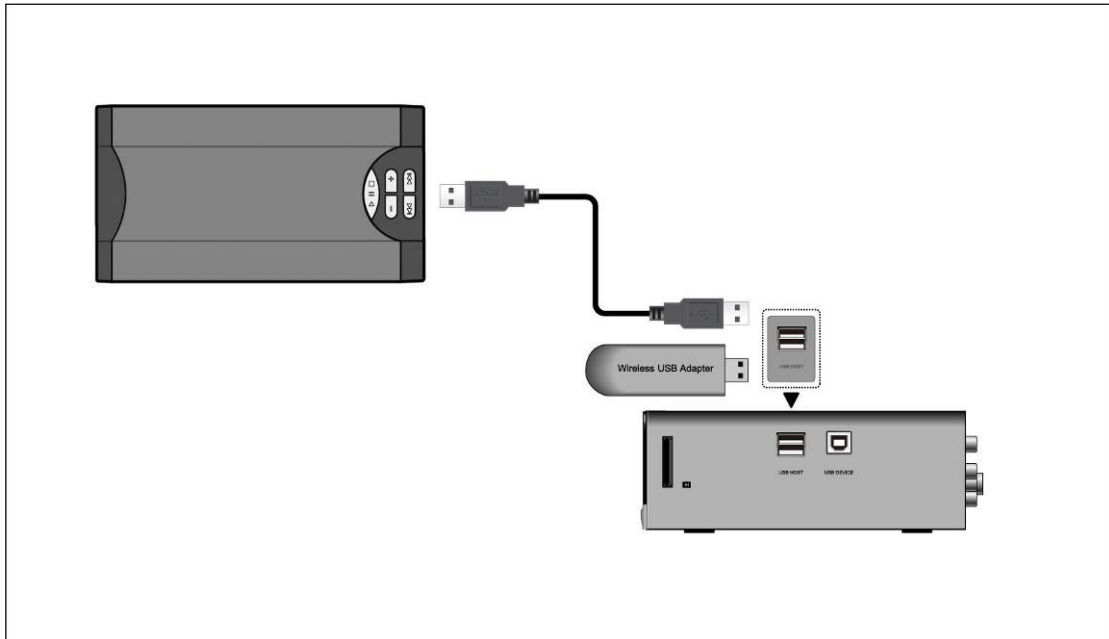
- (1) Make sure the product is powered on;
- (2) Plug in one end of the eSATA cable to the product's eSATA port;
- (3) Plug in the other end of the eSATA cable to the eSATA port of your storage device.



In this way, you can browse the contents of the external storage device.

1.4.4 Connecting a USB storage device

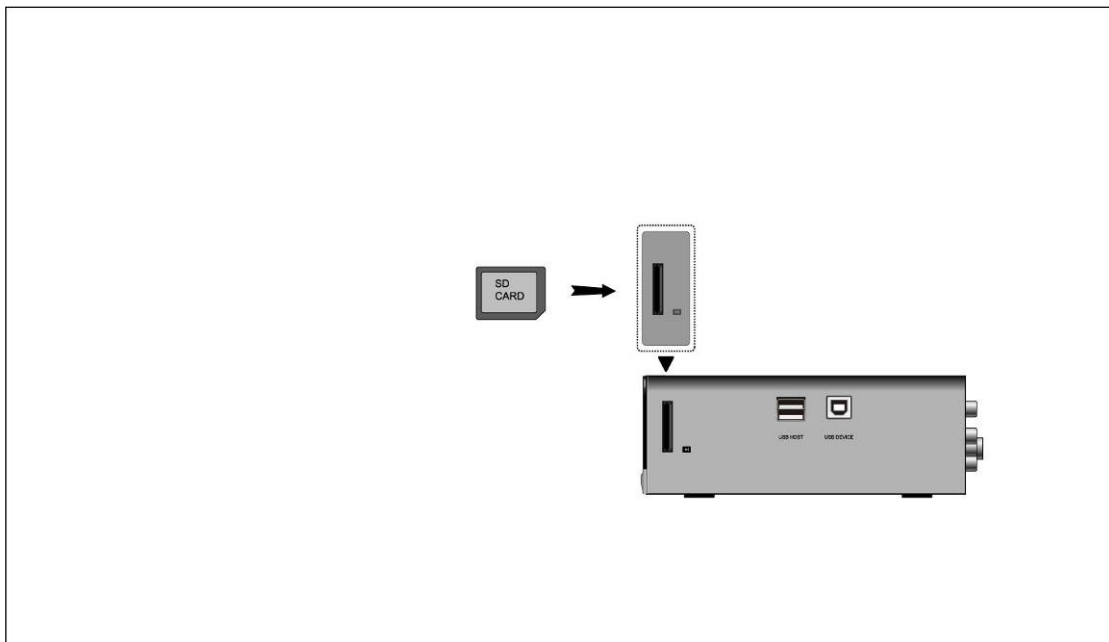
- (1) Make sure the product is powered on;
- (2) Plug in your USB storage device to the USB host ports of the product.



In this way, you can browse the contents of the USB storage device.

1.4.5 Connecting a Memory Card

- (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.

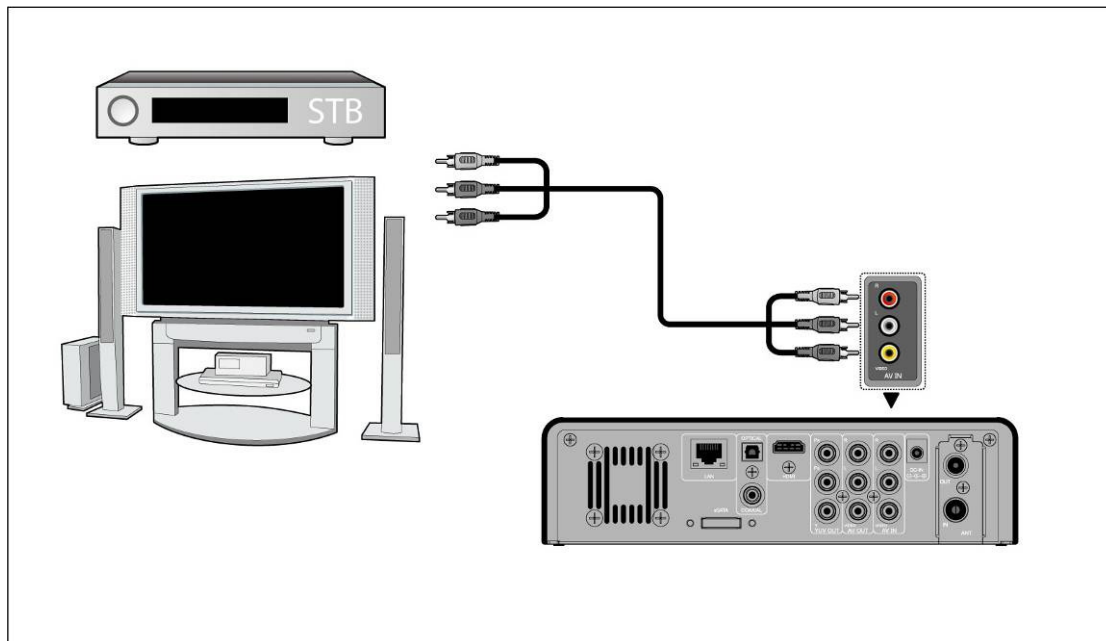


In this way, you can browse the contents of the memory card.

1.4.6 Connecting to a TV

1.4.6.1 A/V IN

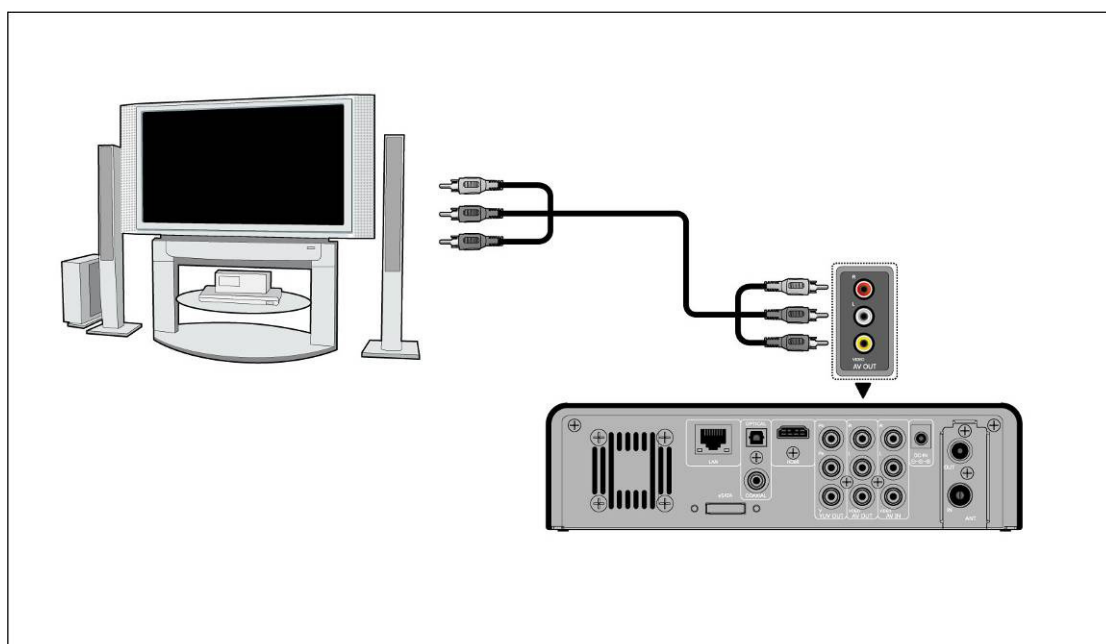
- (1) Follow the picture and plug in the 3 color connector to the product's A/V IN jack;
- (2) Follow the picture and plug in the 3 color connector to the A/V OUT jack of the source.



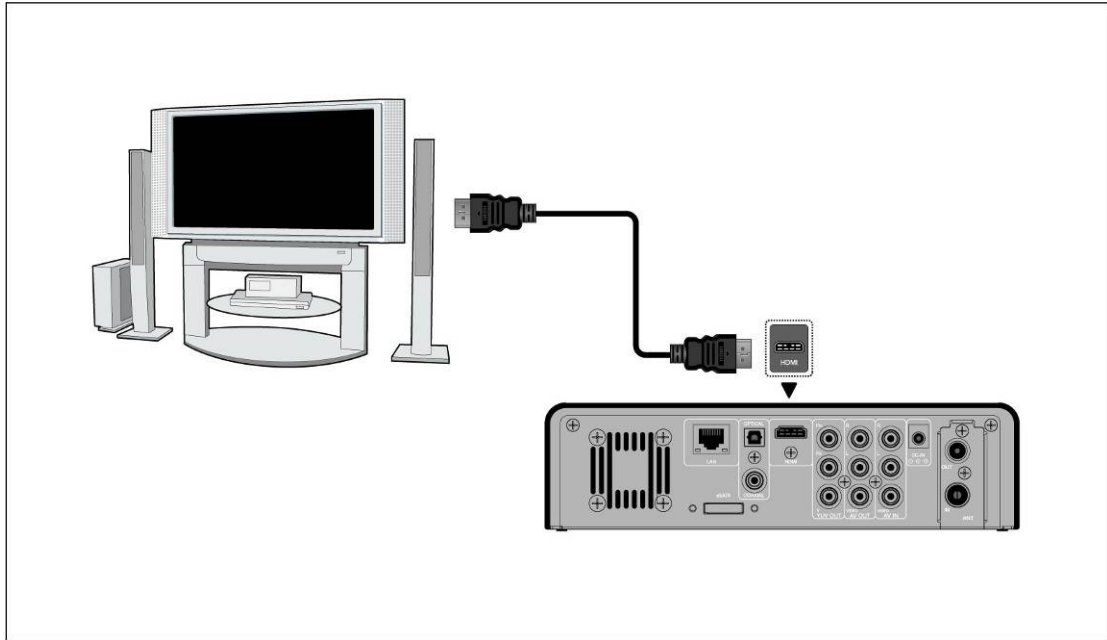
In this way, you can record TV programs from the source TV/Set-Top Box.

1.4.6.2 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.



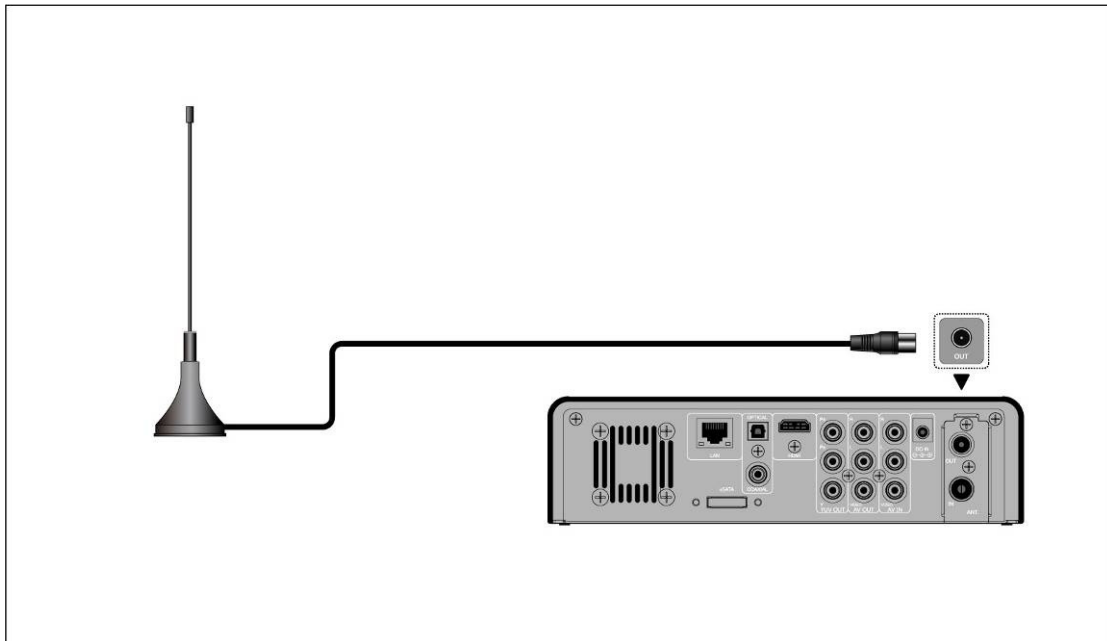
In this way, you can enjoy videos, music and photos on your TV.



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

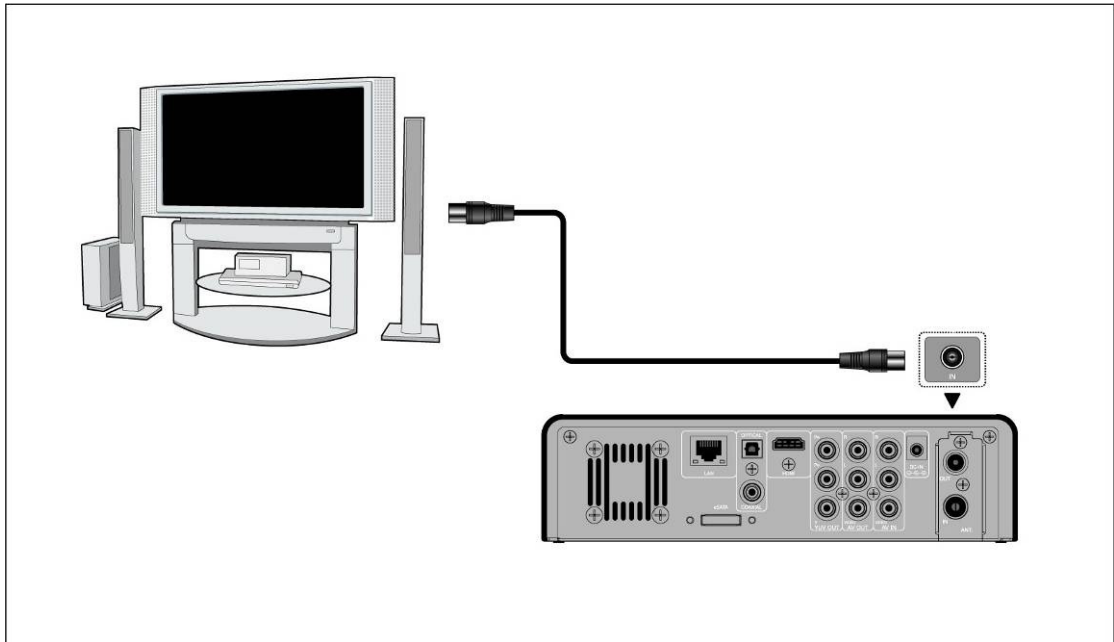
1.4.6.5 ANT. / RF IN

Follow the picture and plug a TV Aerial to the ANT. / RF IN socket;



1.4.6.6 ANT. / RF OUT

- (1) Make sure the product is connected to the power supply;
- (2) Make sure a TV Aerial is connected to the ANT. / RF IN socket;
- (3) Follow the picture and plug a coaxial TV cable to the ANT. / RF OUT socket and plug the other end of this cable to a TV or receiver.

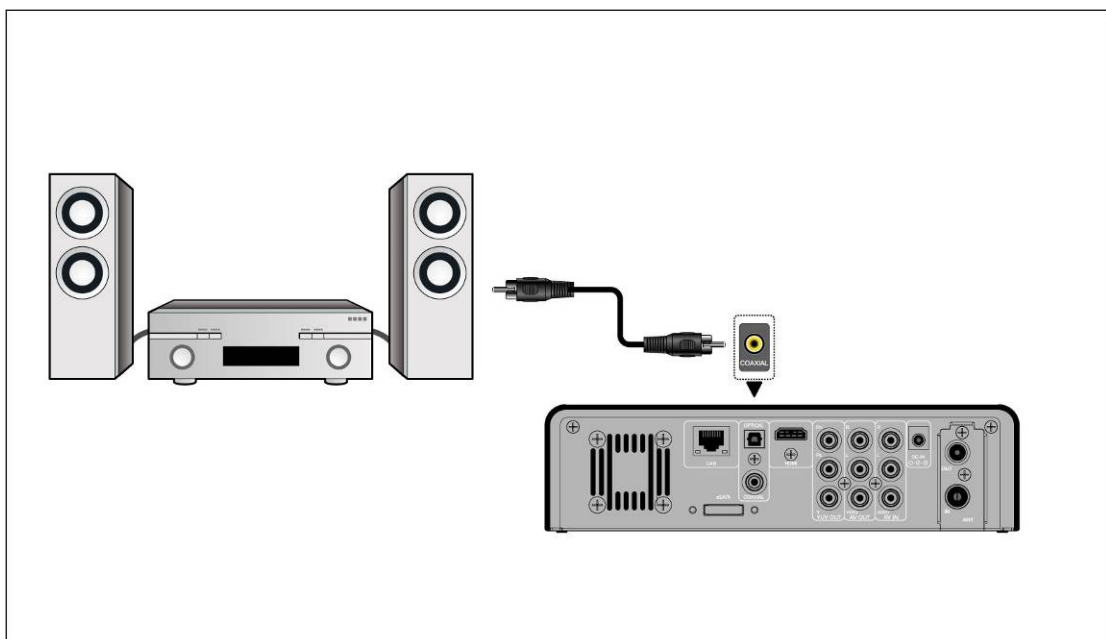


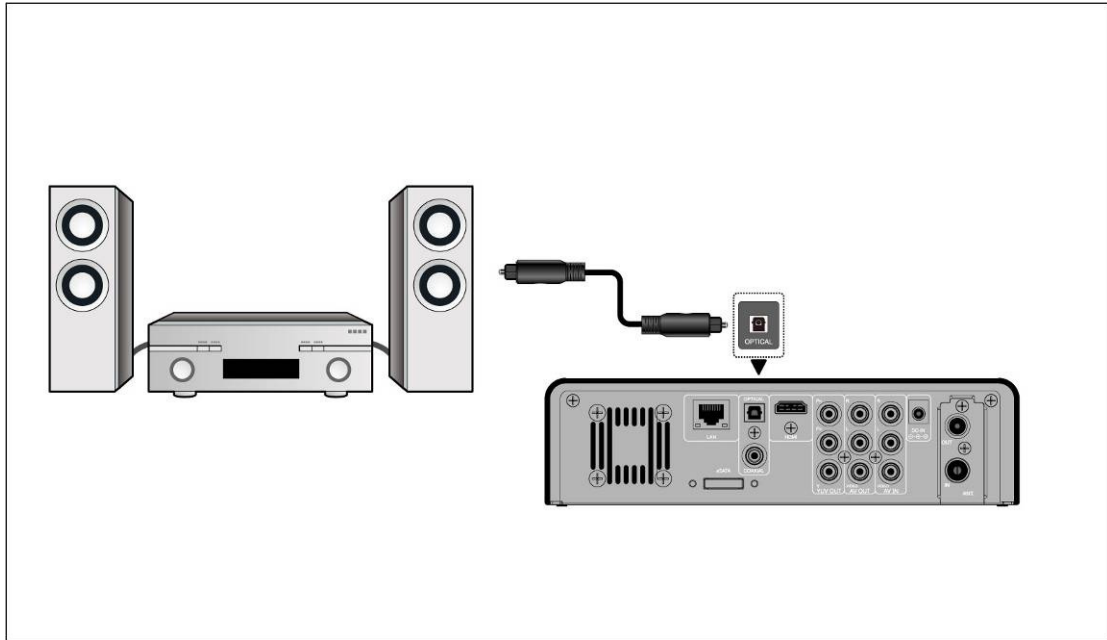
The product can loop out the DVB-T signal to other TV receiver device. In this way, you can watch the TV programs with another TV receiver while recording.

1.4.7 Connecting to an 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.



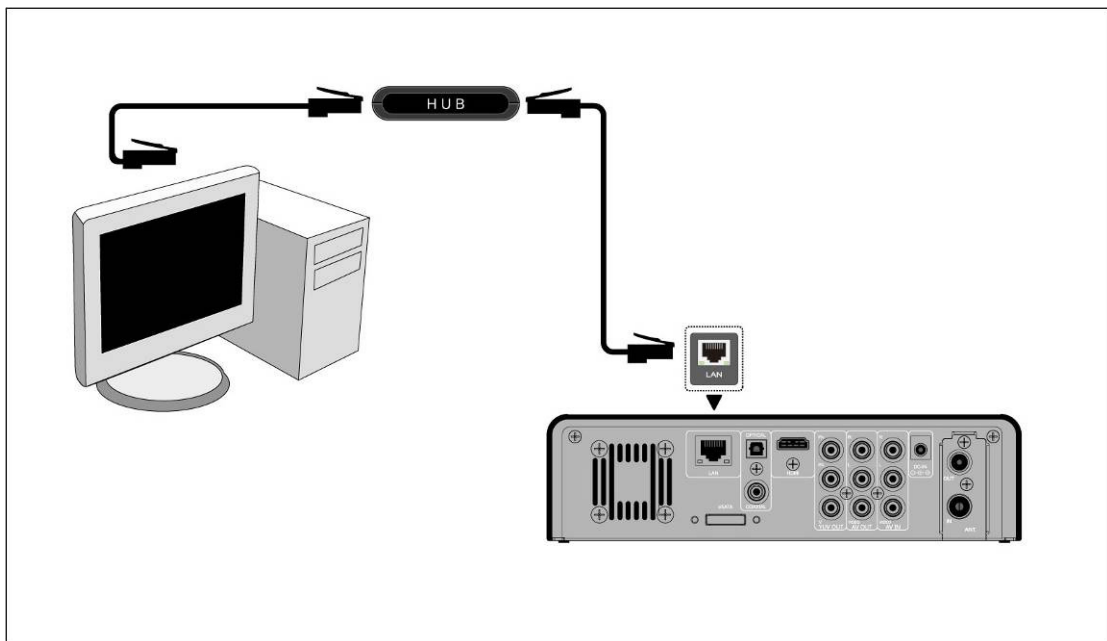


In this way, you can enjoy powerful Dolby Digital, DTS, or MPEG audio. (Please refer to '**3.2 Changing Audio Settings**' for configuration)

1.4.8 Connecting to a LAN (Local Area Network)

To connect to a LAN (Local Area Network) you require a cat5, cat5e or cat6 network cable (not supplied).

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



1.4.9 Connecting to a WLAN (Wireless Local Area Network)

- (1) Make sure the product is powered on;
- (2) Plug in the Playon! Wireless-N USB adaptor (ACR-WN10001) to the USB host port of the product.

Note: The Playon! Wireless-N USB adaptor is an optional accessory sold separately. (Please refer to '**3.5 Changing Network Settings**' for more details about wireless setup)

1.5 Power On / Off

Power On

After connecting the DC IN jack and press the power button on the front panel, the product will soon enter the home screen, and the power indicator LED will turn blue.

Power Off

Press the power button on the front panel, the player will soon enter standby mode, and the power indicator LED will turn red. Then unplug the power cord to cut off the power supply.

1.6 Menu Language

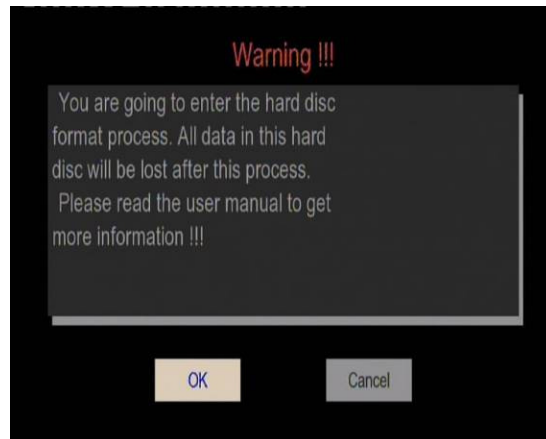
The system language of this product can be set to English or other languages. Change the language you preferred in the setup menu, the selected language will take effect immediately.



1.7 HDD Format

For users who wish to install a new SATA/SATA II HDD, please refer to the following procedures to format before usage.

- Step 1: Select **OK** on the **Warning** page, press **ENTER** to confirm.

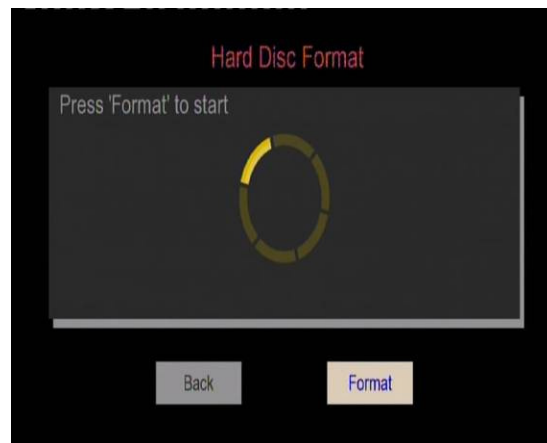


Note: This page can be also accessed via **Setup->System->HDD Format** menu.

- Step 2: Press the **up** / **down** button to adjust the capacity of time shift buffer.
Press the **left** / **right** button to select Next, and the **enter** button to confirm.



- Step 3: Select **Format**, press **ENTER**, and then hard disk format will start.



The formatting procedure will be completed within a few minutes. After completion the hard disk can now be used with the product.

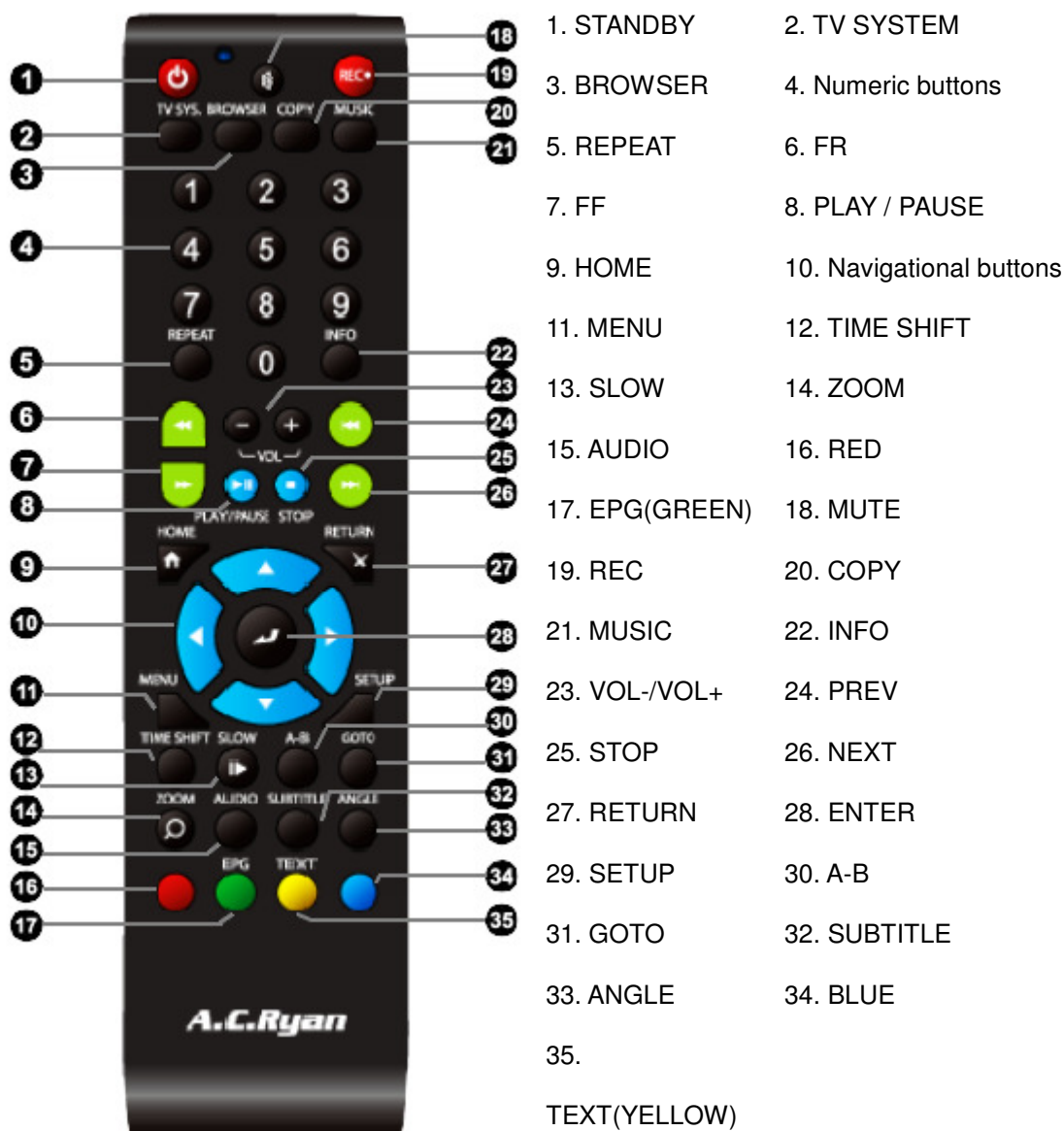
Note: HDD format will erase all data stored on the hard disk drive. Please take note and backup your data before proceeding!

2. About the Player

2.1 Remote Control

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

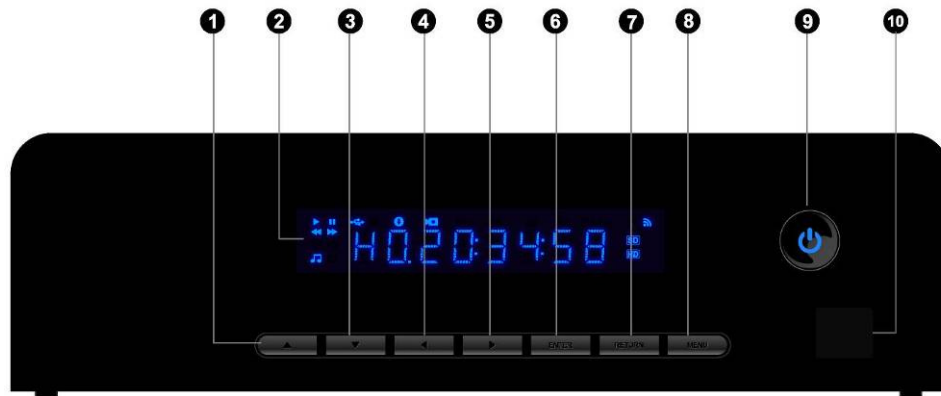
See the following for details on each button and its function:



No.	Button	Function
1	STANDBY	Press to enter standby mode or wake up.
2	TV SYSTEM	Press to switch between NTSC, PAL, 480P, 576P, 720P, 1080I, and 1080P.
3	BROWSER	Press to enter the browser menu.
4	Numeric buttons	Press to enter numeric input when changing settings.
5	REPEAT	Press to set repeat option: One, All, (and Shuffle).
6	FR	Press to fast rewind the current playback. Press repeatedly to select speeds.
7	FF	Press to fast forward the current playback. Press repeatedly to select speeds.
8	PLAY/PAUSE	Press to begin/pause the playback.
9	HOME	Press to enter the home screen.
10	Navigational buttons	Press the arrow buttons to select menu options, and the ENTER button to confirm.
11	MENU	Press to activate menus: --Press to rename and delete files in the browser menu. --Press to add shortcuts for network access in My_Shortcuts in NETWORK/NFS of the browser menu. Press to add/delete internet radio stations to favorite list.
12	TIME SHIFT	Press to activate the time shift function. Time shift function allows you to pause live TV and resume the program from the point you left it. While paused, the program is recorded to the internal HDD as long as the space is available. Time shift mode remains active until you press the stop button.
13	SLOW	Press to play back in slow motion. Press the PLAY button to resume regular playback.
14	ZOOM	Press to zoom the image (photo or video).
15	AUDIO	Press to select another audio track (if available).
16	RED	Press to select the files in Browser/File Copy menu. Press to add/delete scheduled recording in EPG menu.
17	EPG(GREEN)	Press to enter the Electronic Program Guide which displays an on-screen list of programs for the coming week when watching Digital Terrestrial TV. Press to add the selected files to the playlist under browser

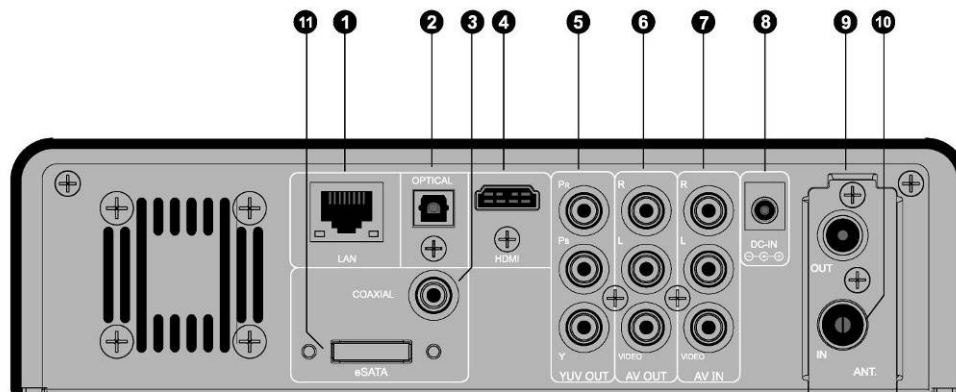
		menu.
18	MUTE	Press to mute audio output, and press again to resume.
19	REC	Press to begin recording. Press repeatedly to set one touch recording (OTR) length (30 MIN. / 60 MIN. / 90 MIN. / 120 MIN. / 180 MIN. / 240 MIN. / Off).
20	COPY	Press to enter the File Copy menu.
21	MUSIC	Press to start playing music in the music playlist.
22	INFO	Press to hide or display the information bar during playback.
23	VOL-/VOL+	Press to decrease/increase the volume.
24	PREV	Press to view the previous file / page up.
25	STOP	Press to stop playback.
26	NEXT	Press to view the next file / page down.
27	RETURN	Press to return to the previous screen while navigating menus.
28	ENTER	Press to select options in menus.
29	SETUP	Press to enter the setup menu.
30	A-B	Press to set the beginning and end points of a section to repeat.
31	GOTO	Press to jump to a specific point on a title. Specify the point using Title, Chapter and Time.
32	SUBTITLE	Press to set subtitle options.
33	ANGLE	Press to change the view angle during DVD (with multi-angle) playback.
34	BLUE	Press to activate sort function in channel set in TV setup menu.
35	TEXT(YELLOW)	Press to open Teletext OSD if it is available in the broadcasted stream of Digital Terrestrial TV.

2.2 Front Panel



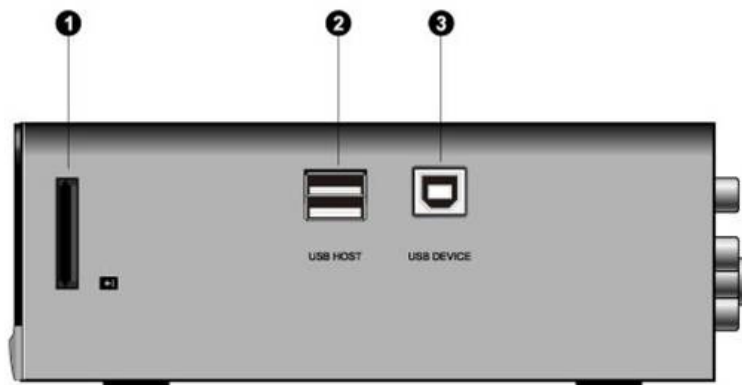
- | | |
|-----------------------------|------------------------------|
| 1. Up button | 2. VFD Screen |
| 3. Down button | 4. Left button |
| 5. Right button | 6. Enter button |
| 7. Return button | 8. Menu button |
| 9. Power button & indicator | 10. Infrared receiver window |

2.3 Rear Panel



- | | |
|-------------------------|-------------------------|
| 1. RJ45 LAN socket | 2. S/PDIF OPTICAL jack |
| 3. S/PDIF COAXIAL jack | 4. HDMI jack |
| 5. Y/Pb/Pr OUT jack | 6. A/V OUT jack |
| 7. A/V DC IN jack | 8. DC IN jack |
| 9. ANT. / RF OUT socket | 10. ANT. / RF IN socket |
| 11. eSATA port | |

2.4 Side Panel



1. Memory Card slot
3. USB device port (B-Type)

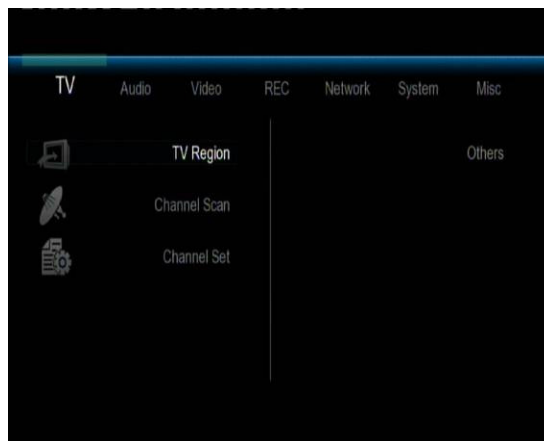
2. USB host port (A-Type) x 2

3. Setup Menu

The Setup menu allows you to personalize and configure the preferences for your player.

To select a Setup option:

- Select the **Setup** icon on the home screen, or press the **SETUP** button on the remote control.



- Use the **LEFT/RIGHT** navigational buttons to select an option, and then press **ENTER**.

There are seven Setup options, including **TV**, **Audio**, **Video**, **REC**, **Network**, **System**, 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 Changing TV Settings

Press the **left / right** button on the remote control to select the **TV** tab from the menu bar.

TV Region

- Select to set the region for Digital Terrestrial TV, choose Others if your region is not listed.

Channel Scan

- Select to scan for available Digital Terrestrial TV channels

AUTO SCAN

- In AUTO SCAN mode, the system will automatically scan for available DVB-T TV channels.

MANUAL SCAN

- In MANUAL SCAN mode, you can select the CH name, Bandwidth, and Input Frequency. Use the navigational and numerical buttons on the remote control to select or input. Press the **enter** button to confirm.

Channel Set

- Select to edit channel information.



In this menu, you can edit the Name, and sequence for the DVB-T TV channels. Use the navigational buttons to select and modify the settings, and press the **enter** button to confirm. You can also press the **BLUE** button to select Sort.

3.2 Changing Audio Settings

Use this menu to configure audio settings.



Night Mode

- Choose between **Off / On / Comfort**. If the option is turned on, the volume will be automatically decreased at high levels to make listening more comfortable at night.

HDMI Output

- Choose between **RAW / LPCM DUAL CH / LPCM MULTI CH**. In raw mode, Dolby Digital, DTS, or MPEG audio can be pass-through to the HDMI TV or Digital amplifier.

SPDIF Output

- Choose between **RAW / LPCM DUAL CH**. In raw mode, Dolby Digital, DTS, or MPEG audio can be pass-through to the Digital amplifier.

3.3 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 at the top and bottom portions of a 4:3 screen. Select when a standard 4:3 TV is connected.
- **16:9/16:10:** Select when a widescreen 16:9/16:10 display is connected.

Brightness

- Adjust the level of brightness.

Contrast

- Adjust the level of contrast.

Hue

- Adjust the level of hue.

Saturation

- Adjust the level of saturation.

Video System

- Select to adjust video output resolution: **NTSC / PAL / 480P / 576P / 720P 50HZ / 720P 60HZ / 1080I 50HZ / 1080I 60HZ / 1080P 50HZ / 1080P 60HZ.**

1080P 24HZ

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

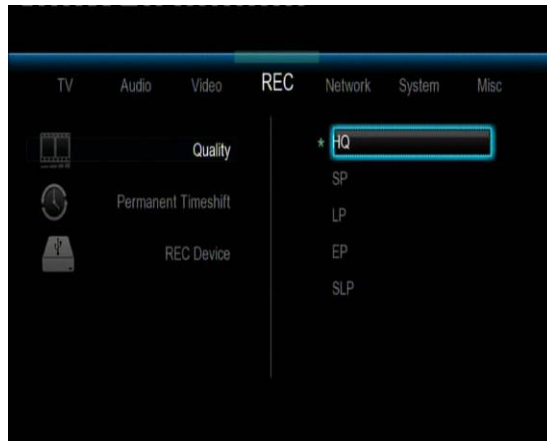
Screen Size

- Adjust the size of the image when playing movie. Press Left/Right button to decrease/increase the width of the image, press Up/Down to increase/decrease the height of the image.

3.4 Changing Record Settings

Quality

- Select to set the default recording quality setting.



Press the **up** / **down** button to select the recording quality you preferred. The higher the recording quality, the more storage space it will consume. This recording quality setting is only applicable to AV-IN recording.

Permanent Timeshift

- Select to set Timeshift mode.

Press the **up** / **down** button to select On/Off. Press the **enter** button to confirm. If On, the time shift will start automatically while in Video-In mode.

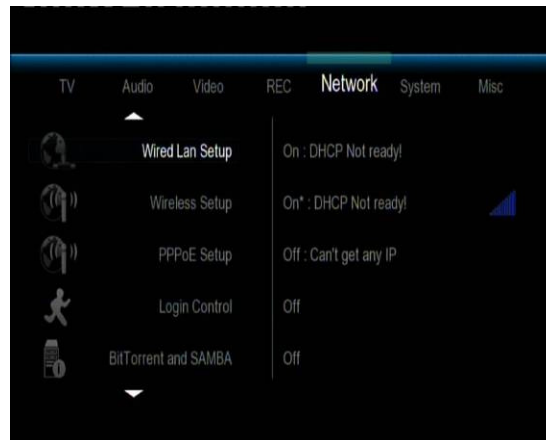
REC Device

- Select to choose the device for your recording.

Press the **up** / **down** button to select HDD, eSATA HDD, USB or card, Press the **enter** button to confirm.

3.5 Changing Network Settings

Use this menu to configure Ethernet and WLAN (Wireless Local Area Network) settings.

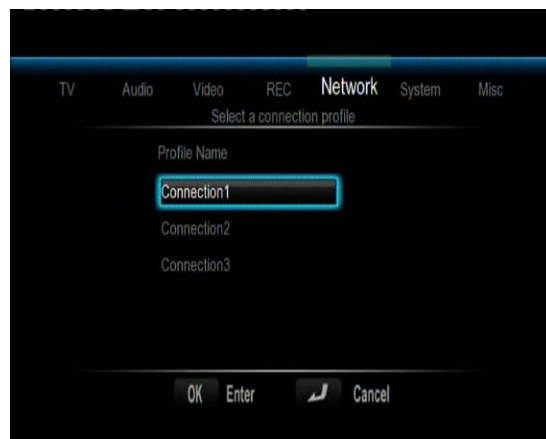


Wired LAN Setup

- **DHCP IP (AUTO)**
Select to obtain IP address automatically.
- **FIX IP (MANUAL)**
Select to manually input the IP Address, Subnet Mask, Default Gateway, and DNS Server IP Address.

Wireless Setup

- **Selecting a connection profile**



This player can store up to three wireless network connections. Press **ENTER** to go to next step, press **RETURN** to cancel, and press **PLAY** to connect.

- **Get Connection Mode**



Choose between **Infrastructure (AP)**, **Peer to Peer (Ad Hoc)** or **WPS(AP)**. Press **ENTER** to go to next step, and press **RETURN** to cancel.

- **Infrastructure (AP)**

Infrastructure mode is used to connect to a wired/wireless router or an access point.

Get SSID Name



Press **ENTER** to go to next step, press **RETURN** to cancel, or press **RED** to refresh 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.

Input WEP / WPA Key



Encryption keys can be entered via the on-screen virtual keyboard. Press the navigational buttons to select, **ENTER** to input, **CAPS** to switch between uppercase and lowercase, **<-** to delete a character, **->** to insert a space, **shift** to make more symbols available, and **OK** to confirm.

Test connection

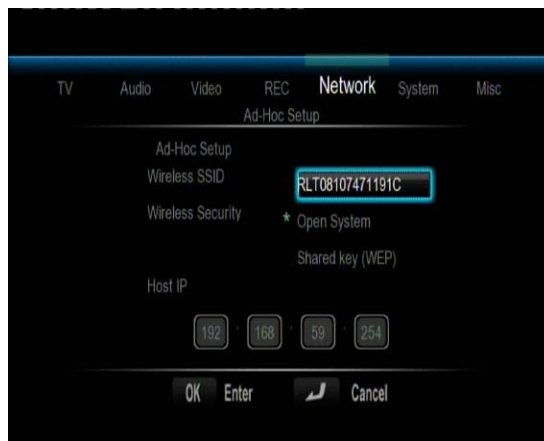


The testing process may take a while to complete. If the test is ok, the network information (Profile Name, IP address, Subnet Mask, Gateway, etc.) will be displayed on the screen.

- 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 networked clients directly without the need for a router or access point.

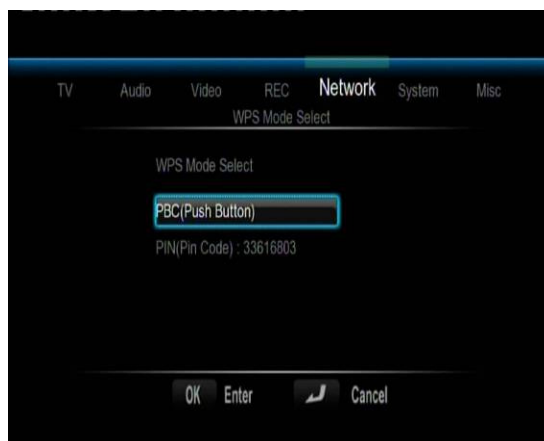
Ad-Hoc Setup



Press **ENTER** to go to next step, press **RETURN** to cancel, and press **PLAY** to connect.

- WPS (AP)

WPS, Wi-Fi Protected Setup, is used to connect a wireless router directly, without searching SSID and inputting password. In this mode, you just need to configure the parameters of your router which support WPS function. There are two modes for you to select, PBC mode and PIN mode.



PBC

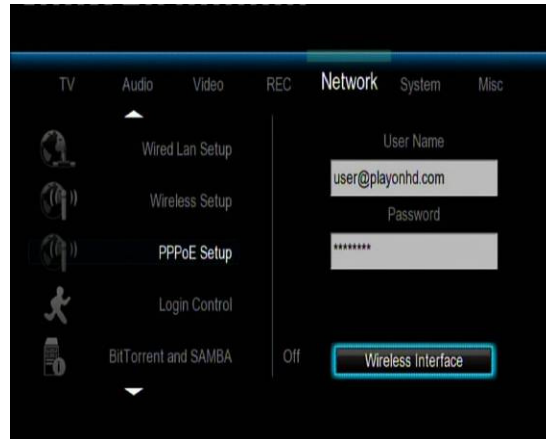
First press the WPS button on the router or select the button mode in the configuration menu of the router, then select the PBC mode, the connection process may take a while to complete.

PIN

Input the pin code when you configure your router, and then select the PIN mode, the connection process may take a while to complete.

PPPoE Setup

- Input the ADSL login username and password in this menu, the system will obtain an IP address automatically from the server based on PPPoE protocol.



Login Control

- Select to turn on / off password protect for the Web server (Neighbor Web).

BitTorrent and SAMBA

- Select to turn on / off BitTorrent download, NAS and Web server services.

Host Name

- Select to key in your desired host name to be seen in your network.

Remote Control

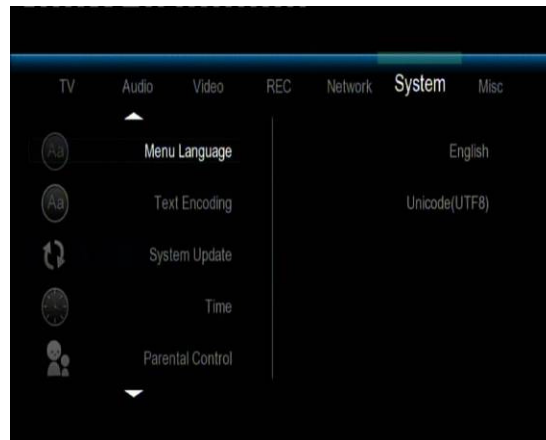
- Select to turn on / off remote control services. Please refer to '**4.11 Remote Control**' for more details on this unique feature of this product.

FTP

- Select to turn on / off FTP services and to configure your desired login User Name and Password. Please refer to '**4.13 FTP Server**' for more details on this unique feature of this product.

3.6 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).

System Update

- Select **Extension Package Upgrade** to update extension files for BT download and SAMBA services.
- Select **system upgrade** to update the firmware via a USB flash drive.
 - 1) Copy 'install.img' to the root directory of a USB flash drive, and connect it to the USB host port of the product.
 - 2) Press **ENTER** to confirm.

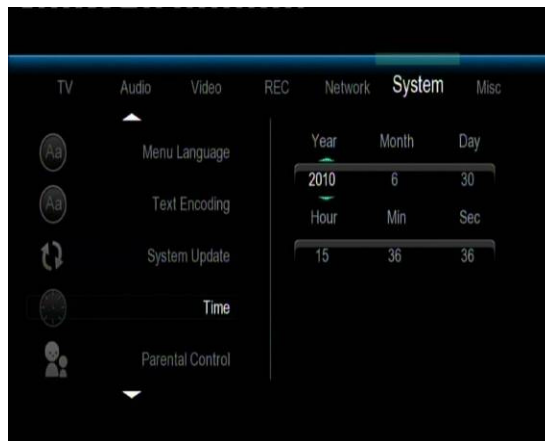
Time

- Select to set the system time.



Press the **up** / **down** button to select from Manual and Auto (via TV). Press the **enter** button to confirm.

Manual



Press the **left** / **right** button to select each field and the **up** / **down** button to adjust each setting. Numeric buttons are available here. Press the **enter** button to confirm.

Parental Control

- Select to set the TV parental control options.

A password will be needed for the modification. The default password is '0000'. Press the **numerical** buttons to input, and the **enter** button to confirm.

Lock system

Press the **up** / **down** button to turn on or off the parental system. Press the **enter** button to confirm.

Region

Press the **up** / **down** button to select the region. Press the **enter** button to confirm.

Password

Press the **numerical** buttons to input and change the password. Press the **enter** button to confirm.

Block unrated TV

Press the **up** / **down** button to turn on or off. Press the **enter** button to confirm.

TV Rating

Press the **navigational** buttons to select. Press the **enter** button to confirm, and the **back** button to exit.

DVD Auto-Play

- Select to turn on/off to auto play a DVD disc from an external USB DVD optical drive.

Angle Mark

- Select to display or hide the angle mark during DVD playback.

HDD Format

- Select to format the internal HDD.

Note: Please take note that all data on the hard disk will be erased after formatting.

System Info

- Select to view system information (firmware version, HDD info, Mac address, etc.)

Restore Default

- Select to restore factory defaults.

3.7 Miscellaneous

Use this menu to adjust miscellaneous settings.



Resume Play

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

Slide Show Timing

- Select to set the interval time for photo slide show.

Transition Effect

- Select to set the transition effect for photo slide show.

Ken Burns

- Apply PAN-Scan effects during Photo playback.

Background Music

- Select to set the background music options while viewing pictures: **Off / Folder / Playlist**.

Seamless Playback

- Uninterrupted playback of video files(.ts , .m2ts)
(naming of the files should be for example, "abc01.ts" and "abc02.ts", etc)

Screen Saver

- Select to set the idle duration for screen saver to appear.

Movie Preview

- Select to turn on / off movie preview in the browser menu.

Subtitle on-off

- Select to turn on / off subtitle by default.

4. Main Functions

4.1 Digital TV

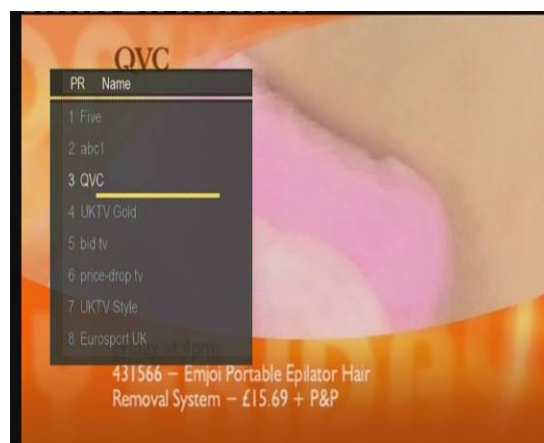
In this menu, you can watch and record Digital Terrestrial TV programs, or activate the time shift function. To view DVB-T TV programs, select the **Digital TV** menu at the home menu. The following are some functional buttons on the remote control, available when watching Digital TV programs.

Name	Function
Enter	Press to view the program list menu.
up / down	Press to switch channels. (Channels that are currently in recording are locked.)
Numeric buttons	Press to input channel numbers. Press the enter button to confirm.
REC	Press to start recording the current TV program.
Time Shift	Press to activate the time shift function.
Subtitle	Press to activate the subtitle list menu if available.
EPG	Press to activate the EPG menu if available.
TEXT	Press to activate the Teletext menu if available.
Zoom	Press to zoom out the image.

4.1.1 Watching DVB-T Programs

Program List Menu

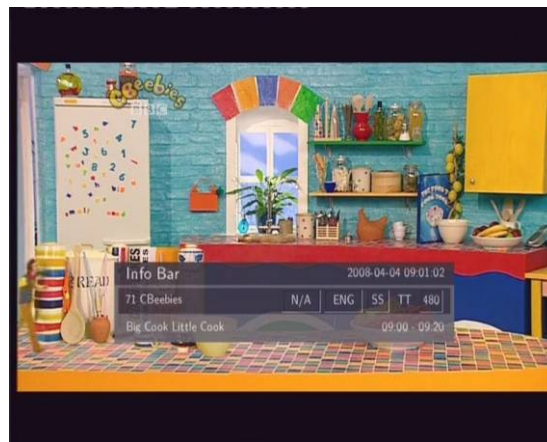
Press the **enter** button while watching DVB-T TV programs, and the program list menu where you can see the program number and name will be displayed.



All the TV and Radio programs will be listed on this list. Press the **up / down** button to select channels, and press the **enter** button to confirm. Press the **prev / next** button to page up or down.

Info Bar

While switching channels by the **up / down** button, an info bar will be displayed to show the channel information.



There're 4 strings displayed on the bar. Taking the info bar in the above photo for example:

N/A – Stands for TV rating;

ENG – Stands for the voice language;

SS – Stands for subtitle;

TT – Stands for Teletext;

480 – Stands for resolution (SD - Standard Definition, HD – High Definition).

When the string looks concave, the option will be available.

Electronic Programming Guide

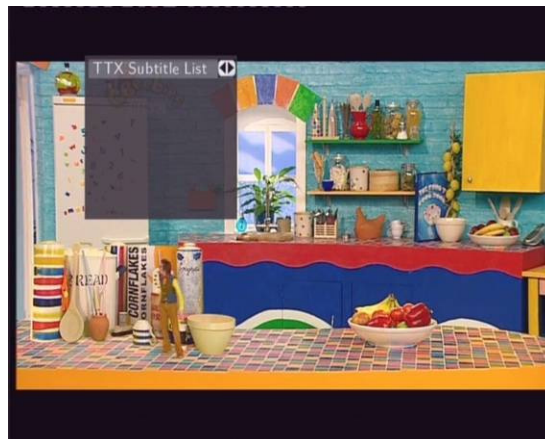
Press the **EPG** button while watching DVB-T TV programs, the Electronic Programming Guide will be displayed.



Press the **prev / next** button to change channels. Press the **left / right** button to change date. Press the **up / down** button to change program. Press the **RED** button to add / delete scheduled recording.

Teletext Menu

If the broadcasted stream supports Teletext, press the **TEXT** button to enter the Teletext menu.



Press the **navigational** and **numeric** buttons to view the content in the Teletext menu.

Subtitle List Menu

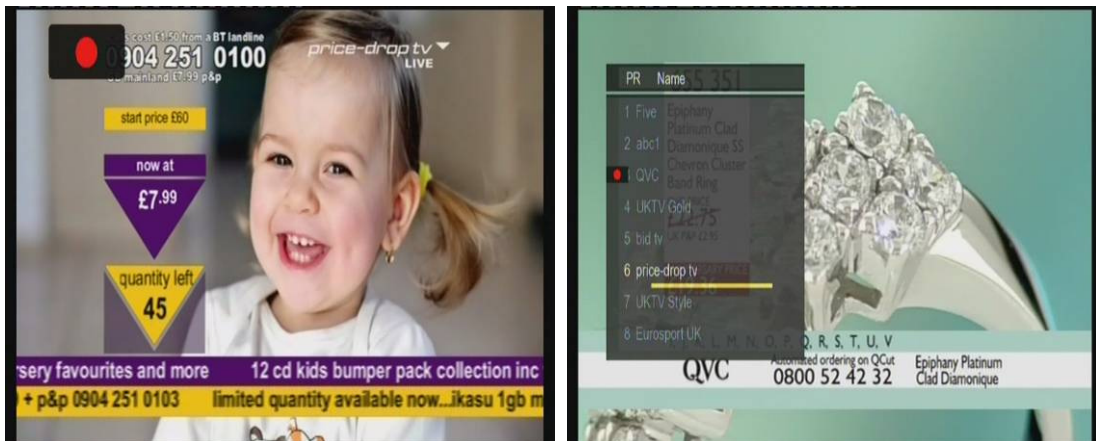
Press the **subtitle** button when watching DVB-T TV programs, the Subtitle List menu will be displayed.



Press the **up** / **down** button to select the subtitle, and press the **enter** button to confirm.

4.1.2 DVB-T Program Recording

Press **REC** button to start the recording, recording files are automatically stored in a folder named REC by default.



This product allows you to watch a different channel while another one is in recording. When a recording is in place, press the **ENTER** button to get the program list, and then use **UP/DOWN** button to select the channel to watch.

4.1.3 Time Shifting

Time shift function allows you to pause live TV and resume it from the point where you left off. While paused, the program is being recorded to the internal HDD as long as storage space is available. Press the **TIME SHIFT** button to active time shift function. Press **PLAY** button to resume the program. Time shift mode remains active until you press the **STOP** button.



4.2 AV- IN

In this menu, you can watch and record audio-visual signal from the A/V IN jack on the rear connections of the product. Time-shifting is also possible for AV-IN mode.

Select the **AV-IN** menu on the home menu.

The following are some functional buttons on the remote control available in AV IN mode.

Name	Function
Record	Press to start recording the current TV program.
Time Shift	Press to activate the time shift function.
Zoom	Press to zoom out the image.

4.3 Schedule Recording

The **Schedule Recording** menu allows you to create, edit and delete recording schedules and view all schedule status and history. Select the **Schedule Recording** menu on the home menu.

Create a New Schedule

Press the **left / right** button on the remote control to select the **Edit** tab from the menu bar. Select **Add a New Schedule** and press the **enter** button. The schedule setting screen will appear.



Use the **left / right** button on the remote control to move between fields and press the **up / down** button to adjust each setting.

Source	Select the video source or TV channels for the recording.
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, Everyday, Mon-Fri, Mon-Sat or 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 is required on the hard drive. See HDD Free Space on the top-left of the screen for details of the duration you can record for choosing different quality setting.
Preview	This small preview window will show the current program of the selected channel.

Edit Schedule

Press the **left / right** button 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 **enter** button. The schedule setting screen will appear . Modify the schedule as described in '**Create a New Schedule**'.

Delete Schedule

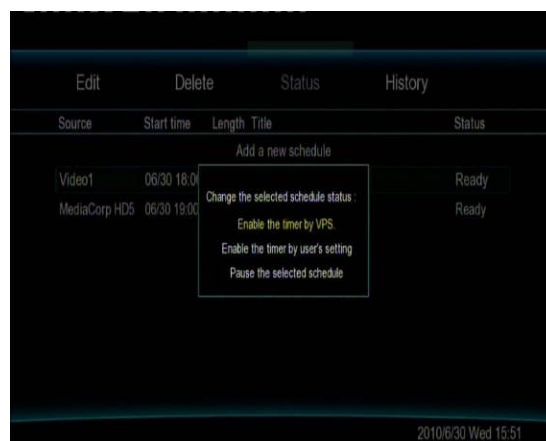
Press the **left / right** button on the remote control to select the **Delete** tab from the menu bar. Select the schedule you want to delete and press the **enter** button. A confirmation message will appear.



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

View Schedule Status

Press the **left / right** button on the remote control to select the **Status** tab from the menu bar. The schedule list will be displayed. Select a schedule and press the **enter** button.

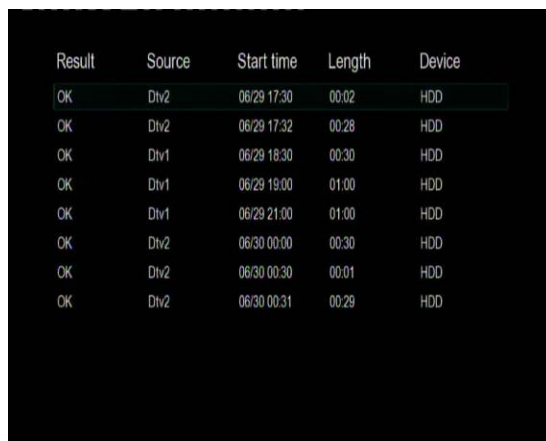


Select **Enable the selected schedule** or **Pause the selected schedule**. Press the **enter** button to confirm.

Viewing Recording History

Press the **left / right** button on the remote control to select the **History** tab from the menu bar.

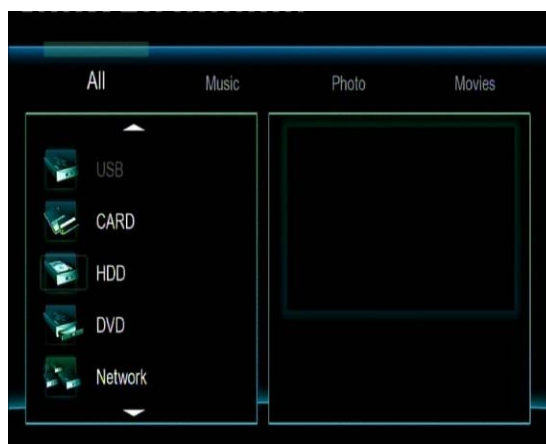
From here you can view the complete history of all recordings that were previously set.



Result	Source	Start time	Length	Device
OK	Div2	06/29 17:30	00:02	HDD
OK	Div2	06/29 17:32	00:28	HDD
OK	Div1	06/29 18:30	00:30	HDD
OK	Div1	06/29 19:00	01:00	HDD
OK	Div1	06/29 21:00	01:00	HDD
OK	Div2	06/30 00:00	00:30	HDD
OK	Div2	06/30 00:30	00:01	HDD
OK	Div2	06/30 00:31	00:29	HDD

4.4 Browser

The browser menu allows you to browse and play media files stored on Removable Devices (USB, Card), HDD, Network, UPnP-server, and Playlist. Select **Browser** menu from the home menu, or press the **BROWSER** button on the remote control.

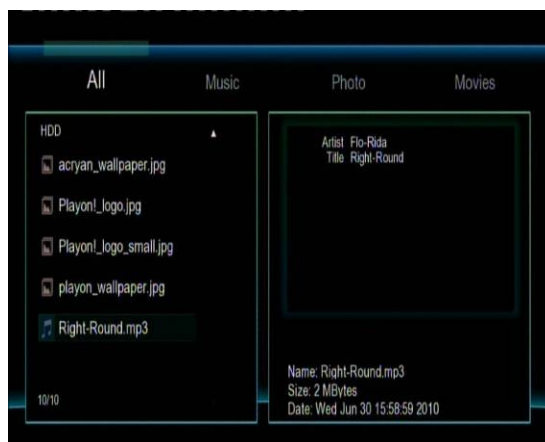


The following buttons can be used while navigating the browser menu.

Button	Function
UP / DOWN	Move cursor up / down to select devices, folders, or files.
LEFT / RIGHT	Select filter options: All , Music , Photos , and Movies .
PREV / NEXT	Go to previous / next page.
ENTER	Enter or confirm the selected item.
RED	Select files under Browser -> HDD menu.
GREEN	Add the selected files to the playlist.
RETURN	Return to the previous menu.

4.4.1 Browsing All

In this mode, all folders and supported contents (music, photos, and movies) will be displayed.

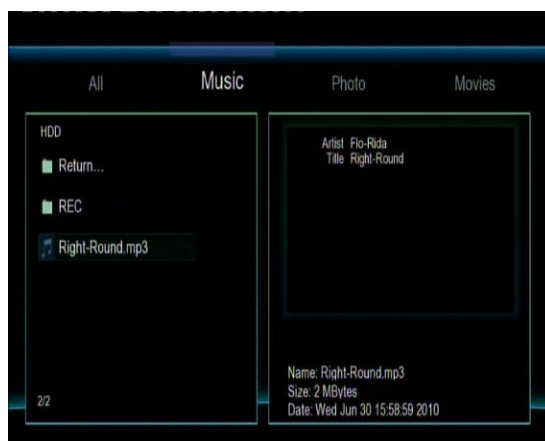


Note:

- Please refer to chapter '**7.1 Specifications**' for more about the supported content formats.
- Music tracks might not be able to be played continuously under **All** filter, please switch to the **Music** filter instead.

4.4.2 Browsing Music

In this mode, all folders and supported audio files in current directory will be displayed.

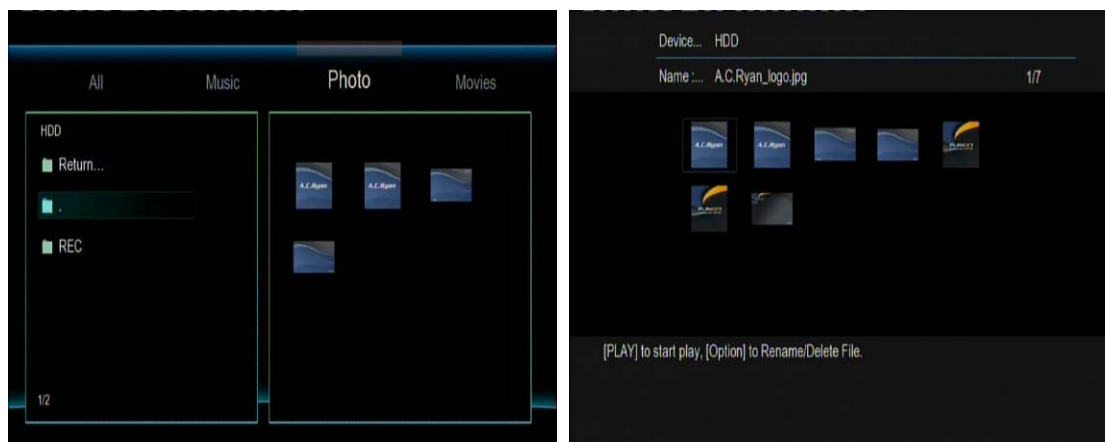


The following buttons can be used to control music playback.

Button	Function
PLAY/PAUSE	Begin/pause playback.
FR / FF	Fast rewind or fast forward. Press repeatedly to select the speed.
REPEAT	Set repeat options: One , All , (and Shuffle).
INFO	Hide or display the information bar during playback.
STOP	Stop playback.

4.4.3 Browsing Photos

In this mode, all folders and supported image files in current directory will be displayed.



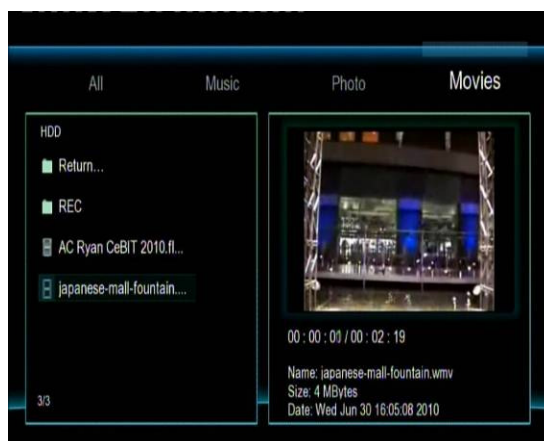
The following buttons can be used to control photo playback.

Button	Function
PLAY	Begin playback.
PREV / NEXT	View the previous or next photo.
LEFT / RIGHT	Rotate photo.
REPEAT	Set repeat options: One , All , (and Shuffle).
ZOOM	Zoom the image.
INFO	Hide or display the information bar during playback.
STOP	Stop playback.

You can view photos in slide show mode with background music. When it is enabled, the slide show starts automatically once you press **PLAY** button. (Please refer to **Slide Show Timing**, **Transition Effect**, and **Background Music** in chapter '**3.7 Miscellaneous**' for more details)

4.4.4 Browsing Movies

In this mode, all folders and supported video files in current directory will be displayed.



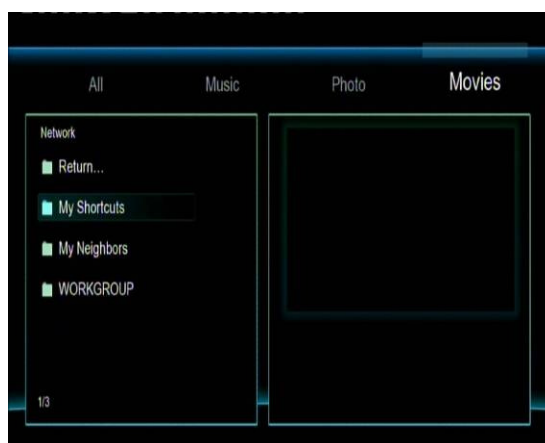
The following buttons can be used to control video playback.

Button	Function
PLAY/PAUSE	Begin/pause playback.
SLOW	Play video in slow motion. Press repeatedly to select the speed.
FR / FF	Fast rewind or fast forward. Press repeatedly to select the speed.
PREV / NEXT	View the previous or next movie.
REPEAT	Set repeat options: One, All, Off.
ZOOM	Zoom the image.
INFO	Hide or display the information bar during playback.
GOTO	Display playback search menu.
A-B	Set the beginning and end points of a section to repeat.
ANGLE	Change the view angle during DVD (with multi-angle) playback.
MENU	Return to the root menu during DVD playback.
AUDIO	Select an audio track while watching video or DVD with multiple audio tracks.
SUBTITLE	Set subtitle options. You can change text encoding and the size/color/offset of the subtitle here.
STOP	Stop playback.

4.4.5 A/V Streaming via Network

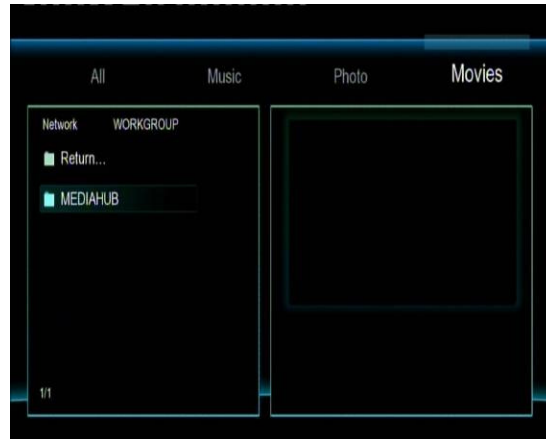
You can stream your media files shared on the home network. Please refer to '**3.4 Changing Network Settings**' for more details on network settings.

There are two ways to locate media files shared on your local network in the **Network** menu. One is to browse through workgroup; the other way is to browse through '**My_Shortcuts**'.



4.4.5.1 Browsing through Workgroup

You can choose the workgroup which your PC belongs to from the workgroup list, find your PC name, and press the **ENTER** button to confirm. Then you can select and play the shared media files that you are currently browsing.



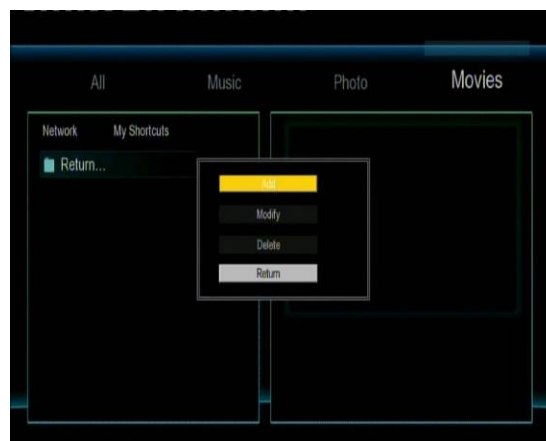
Note:

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

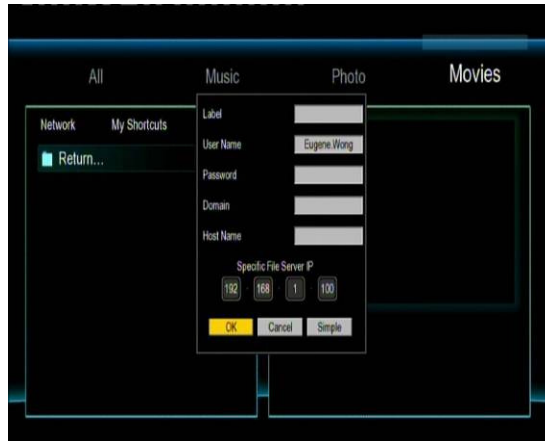
4.4.5.2 Browsing through 'My_Shortcuts'

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

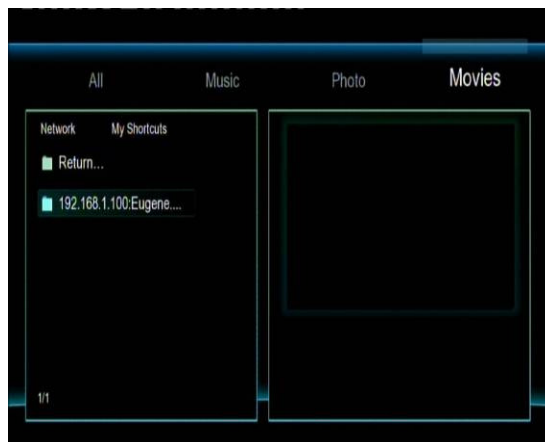
- Press the **MENU** button and a popup menu appears.



- Select **Add** to open a popup menu where you can input **Label**, **Net User ID**, **Net Password**, **Domain**, **Host Name**, and **Specific File Server IP**. Select **OK** to confirm, **Cancel** to cancel, and **Simple / Detail** to switch between simple and advanced options.



- Select the shortcut you added and press the **ENTER** button to confirm. Then you can select and play the shared media files on the destination computer.



4.4.6 A/V Streaming via UPnP-server

A built-in UPnP (Universal Plug and Play) client has been integrated on the system, which enables the player to auto-detect UPnP Media Servers on the network to browse and stream media files from them.

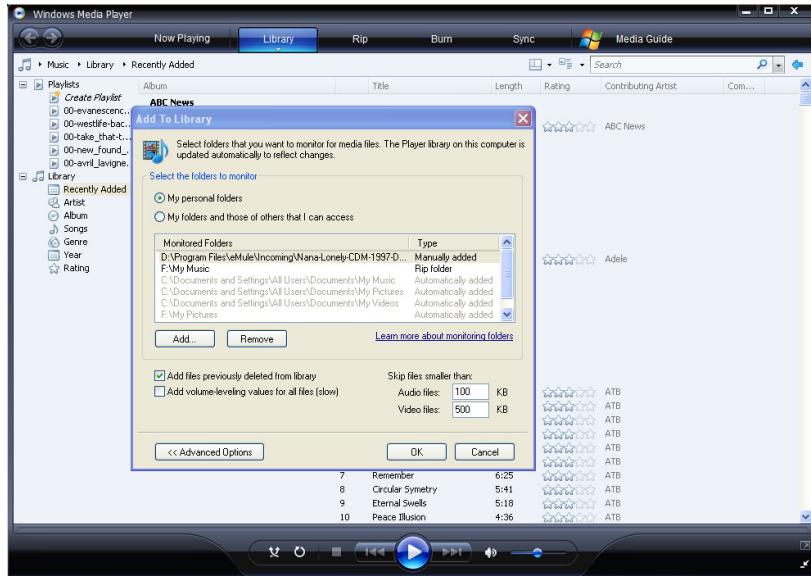
4.4.6.1 Installing UPnP Media Server on your PC

There are a lot of free and commercial UPnP Media Server software, such as Windows Media Connect, Windows Media Player 11, XBMC Media Center (Linux/Mac/Windows), MediaTomb (Linux), etc. Please install one of them on your computer. In the following chapters, we will use Windows Media Player 11 on Microsoft Windows XP SP2 as an example.

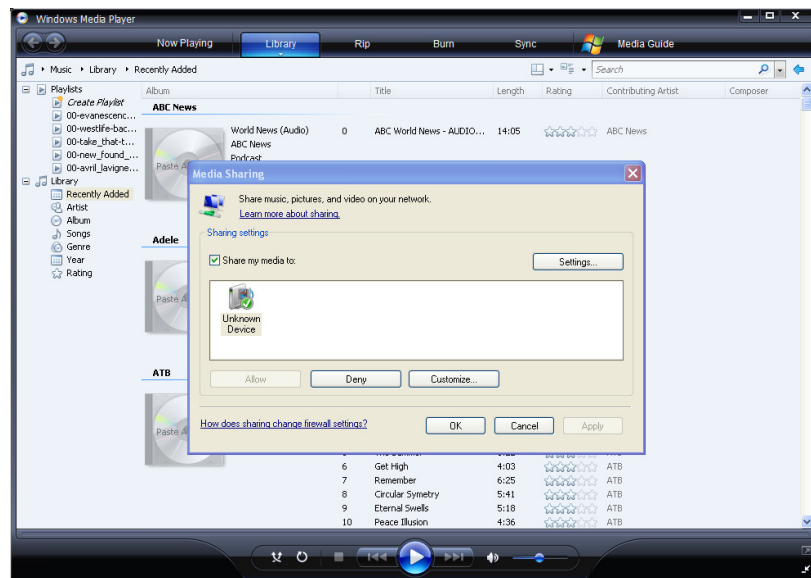
4.4.6.2 Sharing Media on your PC

The Media Sharing feature of Windows Media Player 11 lets you enjoy the contents of your Windows Media Player library from anywhere in your home.

- Launch Windows Media Player 11, click **Library** -> **Add Library** -> **Advanced Options** to add or remove media files from the library.

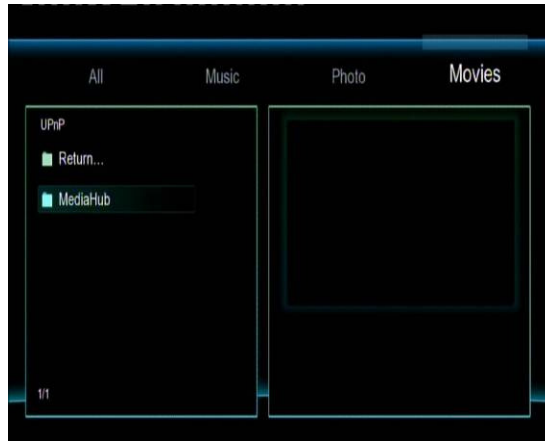


- Click **Library** -> **Media Sharing**, then you can allow or deny devices to access the media library. Click **Allow** to authorize your player.

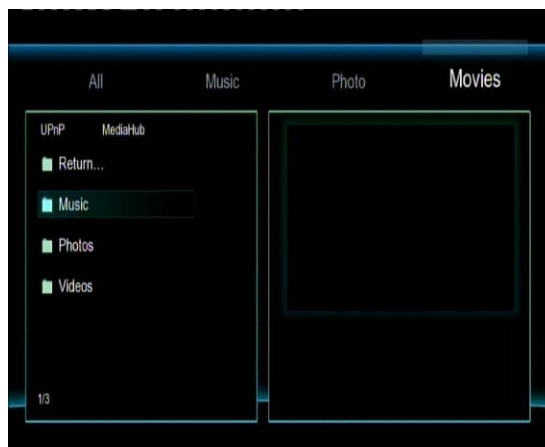


4.4.6.3 Streaming Media on your Player

- Connect your player to the home network (LAN or WLAN).
- Select **Browser** -> **UPnP** menu, then select the UPnP-server, and press **ENTER**.



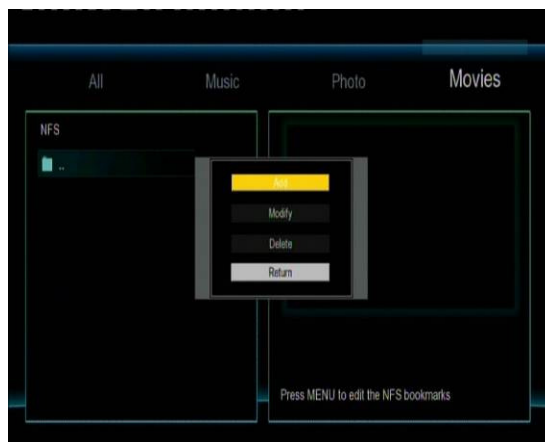
- Then you can browse the media library shared by Windows Media Player 11.



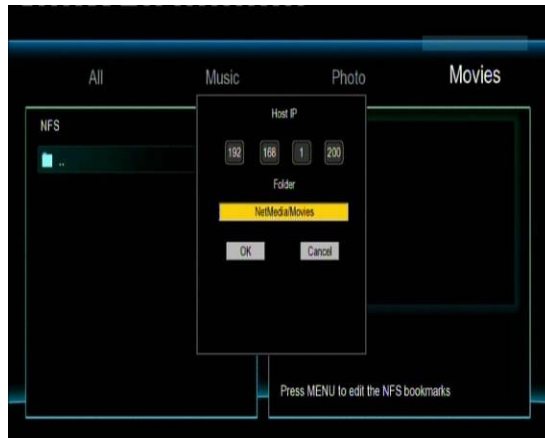
4.4.7 Browsing through NFS server

This system enables you to browse the media files shared on NFS Server (Ethernet or WLAN). Please refer to '**3.3 Changing Network Settings**' for details about network settings.

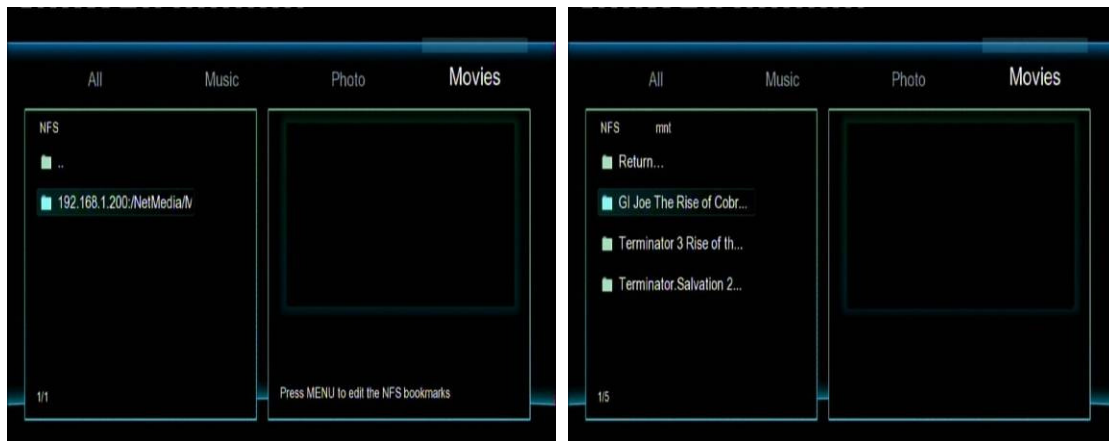
- Press the **MENU** button and a popup menu appear. You can then Add/Modify/Delete a NFS server's shortcut.



- Select **Add** to open a popup menu where you can input the **NFS Server's IP** and the desired folder **destination**. Select **OK** to confirm, **Cancel** to cancel.



- Select the shortcut you have added and press the **ENTER** button to confirm. You can then select and play the shared media files on the NFS server.

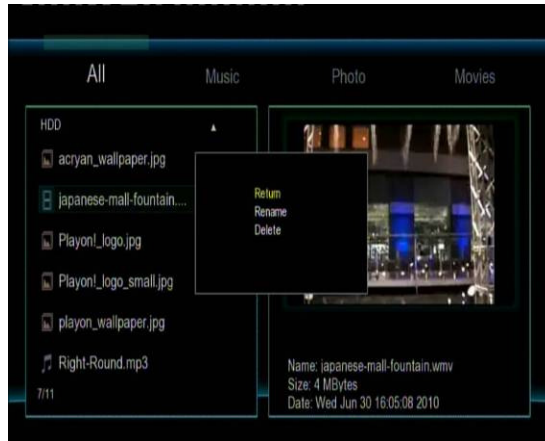


Note:

- Make sure the product and your computer are on the same local area network and subnet.
- Firewalls may prevent the product to communicate with your computer. Please open the ports manually and add your player to the 'trusted' list, or disable the firewall temporarily.

4.4.8 Renaming / Deleting Files

While navigating in the browser menu, you can press the **MENU** button to activate a popup menu where you can rename or delete files or folders.



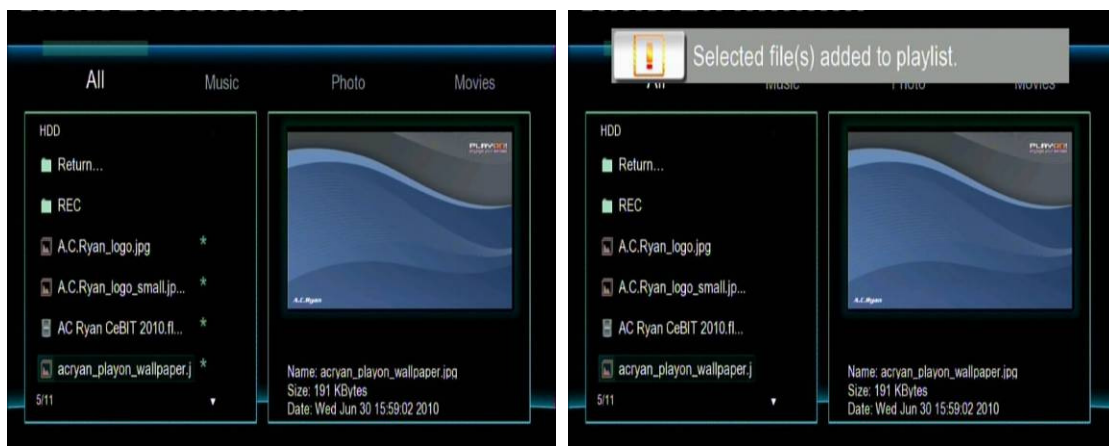
Press the **UP** / **DOWN** buttons to select from **Return**, **Rename**, and **Delete**. And press **ENTER** to confirm.

4.4.9 Managing the Playlist

This player supports the playlist function, which allows you to add your favorite contents on local HDD to the playlists (All, Music, Photos, and Movies), and enjoy them at any time.

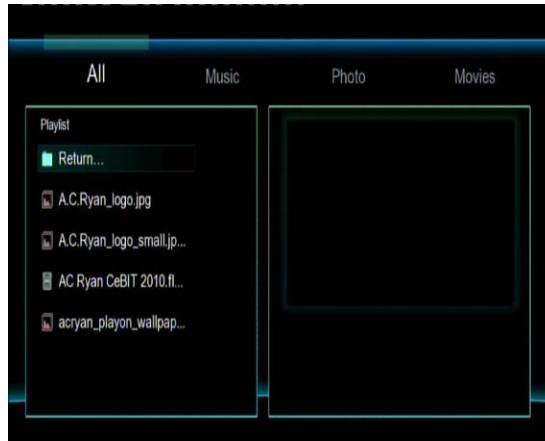
4.4.9.1 Adding files to the playlist

Select the favorite file you wish to add and press the **RED** button, the file will then be marked. Press the **GREEN** button to confirm, and an on-screen message as seen below will be displayed. Multiple selections are allowed.



4.4.9.2 Browsing the playlist

Press the **UP** / **DOWN** buttons to select **Playlist** in the browser menu. Press the **LEFT** / **RIGHT** buttons to select between **All**, **Music**, **Photos**, and **Movies**. And press the **ENTER** button to confirm. Then you will enter the playlist.



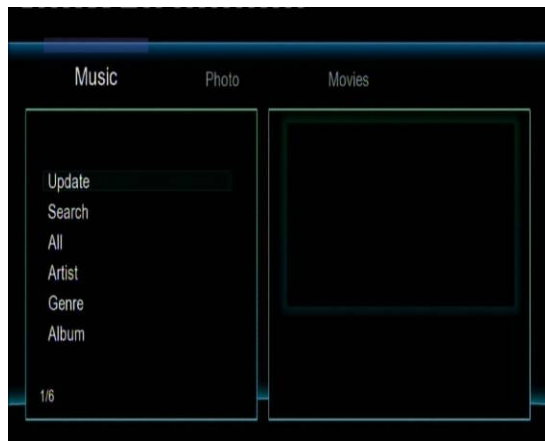
If you wish to delete a file from the playlist, press the **RED** button to select, and then press the **GREEN** button to confirm.

4.5 Media Library



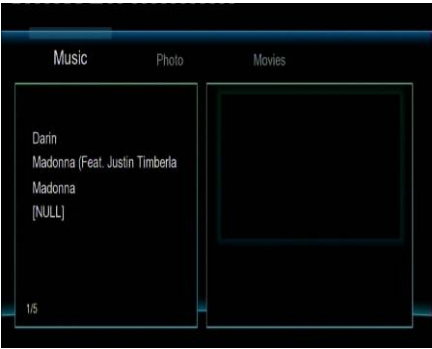
Integrating with a powerful search engine, the library menu allows you to easily search and browse multimedia files stored on the internal HDD. To enter this menu, select the **Media Library** menu at the home menu.




4.5.1 Music library

Use the **left / right** button on the remote control to select the **Music** tab.



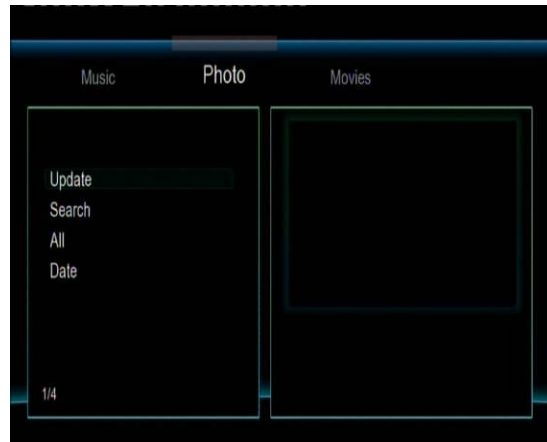
Press the **up / down** button to select from Update, Search, All, Artist, Genre, and Album. And press the **enter** button to confirm.

Update	Select to update and index all the music stored on the internal HDD to the library.
Search	<p>Select to search for music files by their names.</p>  <p>Use the navigational buttons to select, and press the enter button to confirm. Select OK and press the enter button, and then the files with matching keywords will be displayed on the screen.</p>
All	<p>Select to list all the music files in the library.</p> 
Artist	<p>Select to search for music files by artist.</p>  <p>Press the up / down button to select the artist, and press the enter button to confirm.</p>

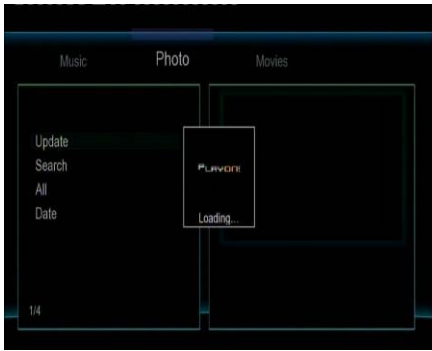
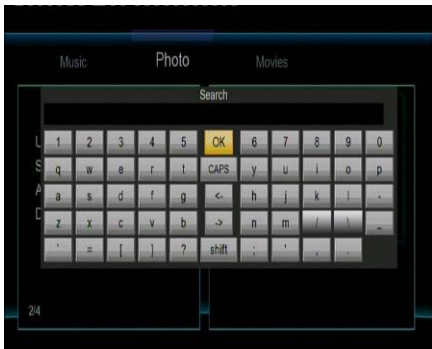
<p>Genre</p>	<p>Select to search for music files by genre.</p>  <p>Press the up / down button to select the genre, and press the enter button to confirm.</p>
<p>Album</p>	<p>Select to search for music files by album.</p>  <p>Press the up / down button to select the album, and press the enter button to confirm.</p>
<p>Quick-Search</p>	<p>You can also press the right button to turn on a Quick-Search bar while browsing music files in the library.</p>  <p>Press the up / down button to select characters on the Quick-Search bar, and press the enter button to confirm. The music files with name starting with the specific characters will be displayed. Press the left button to delete characters, and press the back button to close the Quick-Search bar.</p>




4.5.2 Photo Library

Use the **left** / **right** button on the remote control to select the **Photos** tab.



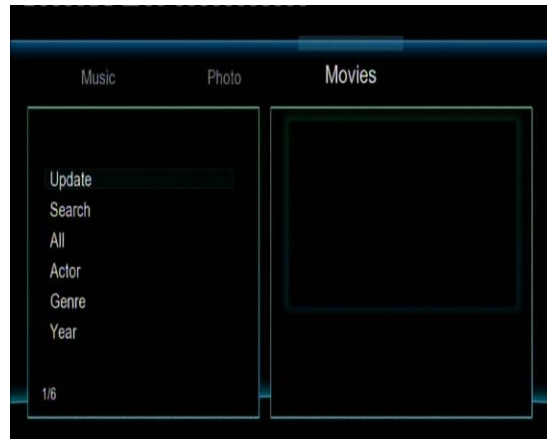
Press the **up** / **down** button to select from Update, Search, All, and Date. And press the **enter** button to confirm.

Update	<p>Select to update and index all the photos stored on the internal HDD to the library.</p>  <p>A screenshot of the Photo Library interface. The "Update" option is selected. A dialog box is displayed in the center of the screen with the text "Loading..." and a "PURVIEW" button.</p>
Search	<p>Select to search for photos by their names.</p>  <p>A screenshot of the Photo Library search interface. A search bar is at the top with the text "Search". Below it is a virtual keyboard with letters, numbers, and symbols. The "OK" button is highlighted.</p> <p>Use the navigational buttons to select, and press the enter button to confirm. Select OK and press the enter button, and then the files with matching keywords will be displayed on the screen.</p>


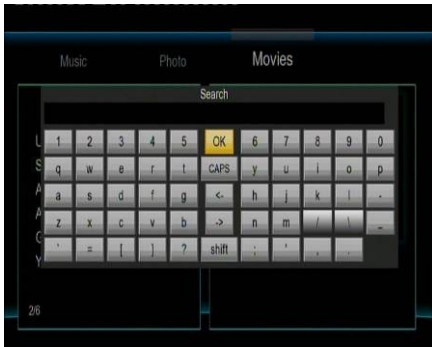
<p>All</p>	<p>Select to list all the photos in the library.</p> 
<p>Date</p>	<p>Select to search for photos by date.</p>  <p>Press the up / down button to select the date, and press the enter button to confirm.</p>
<p>Quick-Search</p>	<p>You can also press the right button to turn on a Quick-Search bar while previewing photos in the library.</p>  <p>Press the up / down button to select characters on the Quick-Search bar, and press the enter button to confirm. Photos with name starting with the specific characters will be displayed. Press the left button to delete characters, and press the back button to close the Quick-Search bar.</p>




4.5.3 Movie Library



Use the **left** / **right** button on the remote control to select the **Movies** tab.



Press the **up** / **down** button to select from Update, Search, All, Actor, Genre, and Year. And press the **enter** button to confirm.

<p>Update</p>	<p>Select to update and index all the movies stored on the internal HDD to the library.</p> 
<p>Search</p>	<p>Select to search for movies by their names.</p>  <p>Use the navigational buttons to select, and press the enter button to confirm. Select OK and press the enter button, and then the files with matching keywords will be displayed on the screen.</p>

<p>All</p>	<p>Select to list all the movies in the library.</p> 
<p>Actor</p>	<p>Select to search for movies by actor.</p>  <p>Press the up / down button to select the actor, and press the enter button to confirm.</p>
<p>Genre</p>	<p>Select to search for movies by genre.</p>  <p>Press the up / down button to select the genre, and press the enter button to confirm.</p>

<p>Year</p>	<p>Select to search for movies by year.</p>  <p>Press the up / down button to select the year, and press the enter button to confirm.</p>
<p>Quick-Search</p>	<p>You can also press the right button to turn on a Quick-Search bar while previewing movies in the library.</p>  <p>Press the up / down button to select characters on the Quick-Search bar, and press the enter button to confirm. Movies with name starting with the specific characters will be displayed. Press the left button to delete characters, and press the back button to close the Quick-Search bar.</p>

Note:

In order to use the search function more efficiently, you are encouraged to use the following rules to name the movies stored on the internal HDD.

Syntax: [Name][Actor][Genre][Year].extension

Examples: [Enchanted][Amy Adams][Love][2007].avi, [The.Dark.Knight][Christian Bale][Action][2008].avi, etc.

4.6 Movie Jukebox



(YetAnother)MovieJukebox is a command line tool, written in Java, which recursively scans your video library for video files (AVI, MKV, VIDEO_TS, BluRay, etc.) and analyzes these files in order to extract information like: year, language, subtitles, container, part, fps, audio and video codecs. Other movie and television information like, director, rating, etc. are collected using various plugins for online databases such as IMDb, TheMovieDB, TheTVDB, Allocine, FilmAffinity, FilmWeb, etc.

MovieJukebox then generates the indexes that are compatible for displaying in the AC Ryan Playon! series media boxes.

Getting Started

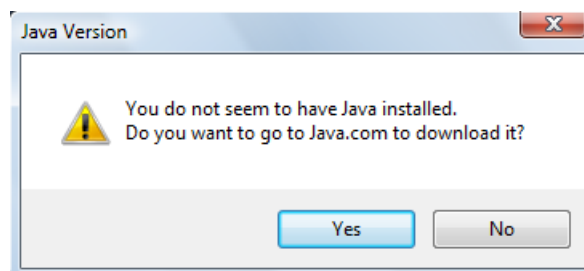
1. Launch YAMJ for A.C.Ryan

(Please download from www.acryan.com/downloads/YAMJ_Installer1.0.zip)



Launch the program by double clicking on the icon on your desktop or from the Start Menu, A.C.Ryan MovieJukebox

The program will prompt you to install Java runtime if it does not detect any Java installation in your system.



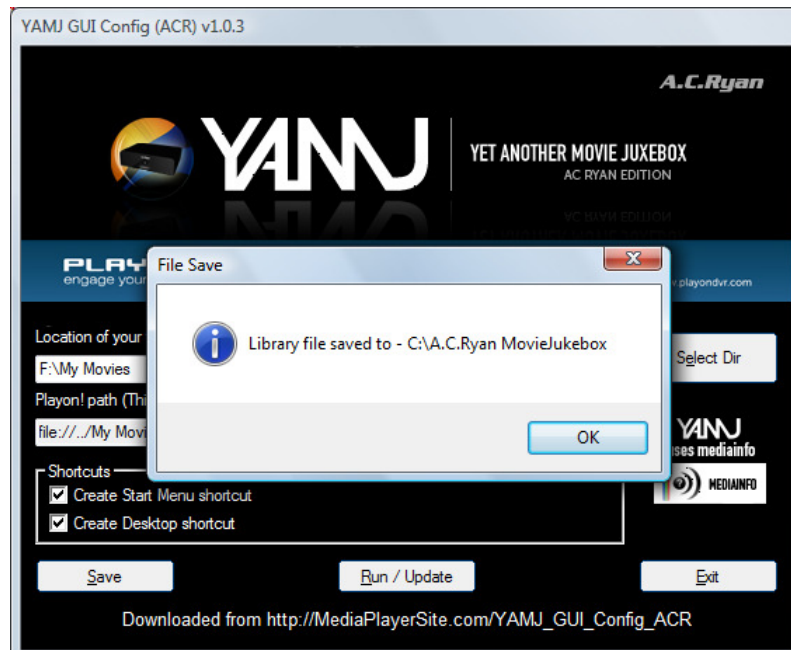
Please select Yes to proceed with the installation of Java.

2. Running YAMJ for A.C.Ryan



- 2.1 Select the directory of your stored movies in your product internal HDD, or on any external USB storage device or network attached storage (NAS) which you will use to run the MovieJukebox on the player.

Note: Generating the necessary information to a network device may take a longer time than doing the same via USB.



- 2.2 Press the Save button to save the directory information. Press Ok to close the dialog box.

```
C:\Windows\system32\cmd.exe
Yet Another Movie Jukebox v1.9
http://code.google.com/p/moviejukebox/
Copyright (c) 2004-2009 YAMJ Members

This software is licensed under a Creative Commons License
See this page: http://code.google.com/p/moviejukebox/wiki/License

Revision: r1500
Build Date: 2010-03-15 07:28:38

Processing started at Fri May 21 16:09:39 GMT+08:00 2010

Using properties file ./properties/moviejukebox-default.properties
Using properties file ./moviejukebox.properties
Warning (non-fatal): User properties file: moviejukebox.properties, not found.
Using properties file ./skins/default/skin.properties
Using properties file ./properties/apikeys.properties
Found media library: A.C.Ryan
Using 1 scanning threads and 1 processing threads...
See README.TXT for increasing performance using these settings.
Preparing environment...
Initializing...
```

2.3 Press Run/Update to start generating the Jukebox. An active internet connection is required to obtain the movie information.

```
C:\Windows\system32\cmd.exe
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <3/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <4/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <5/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <6/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <7/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <8/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <9/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <10/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <11/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <12/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <13/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <14/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <15/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <16/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <17/
Copying directory C:\A.C.Ryan\MovieJukebox\.\skins\default\html\pictures <18/
/19)
Jukebox cleaning skipped
Clean up temporary files

MovieJukebox process completed at Fri May 21 16:10:10 GMT+08:00 2010
Processing took 00:00:30
Press any key to continue . . . _
```

2.4 Press any key to close the command window after the generation is completed.

3. Updating existing Jukebox

You can update the existing Jukebox if you have add/remove movies to the previously saved directory.

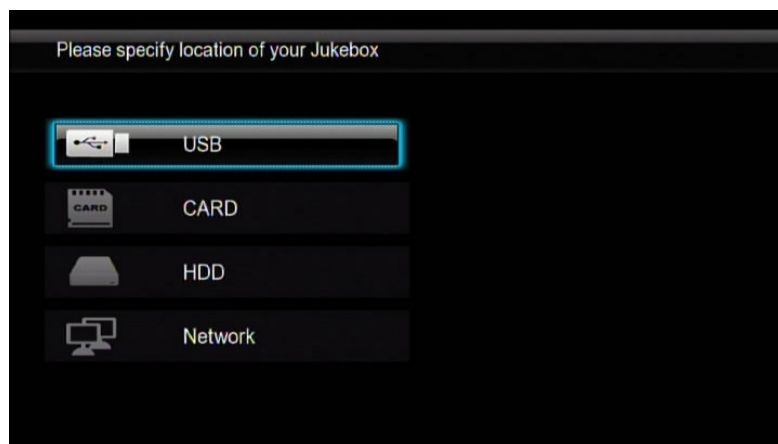


Launch Run or Update YAMJ by double clicking on the icon on your desktop or from the Start Menu, A.C.Ryan MovieJukebox

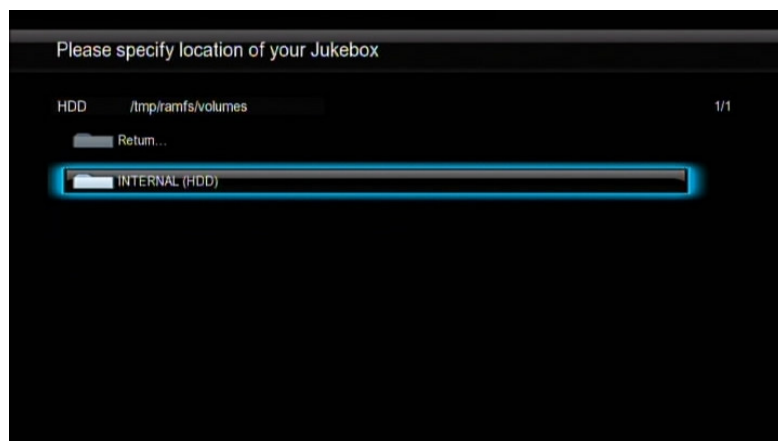
Running Movie Jukebox



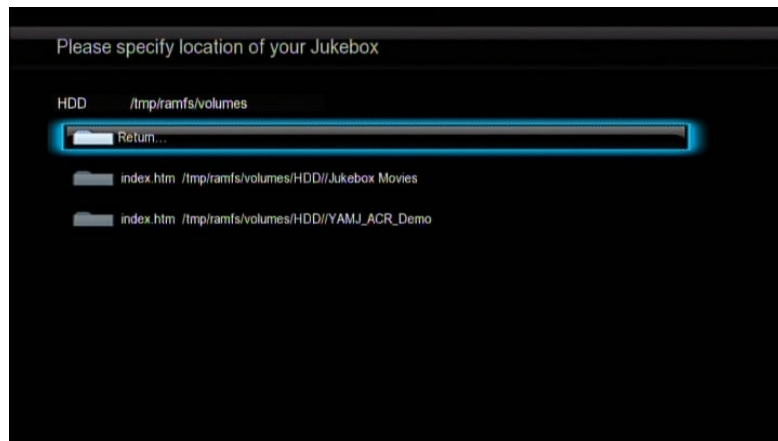
From the Home menu screen, enter the Movie Jukebox menu



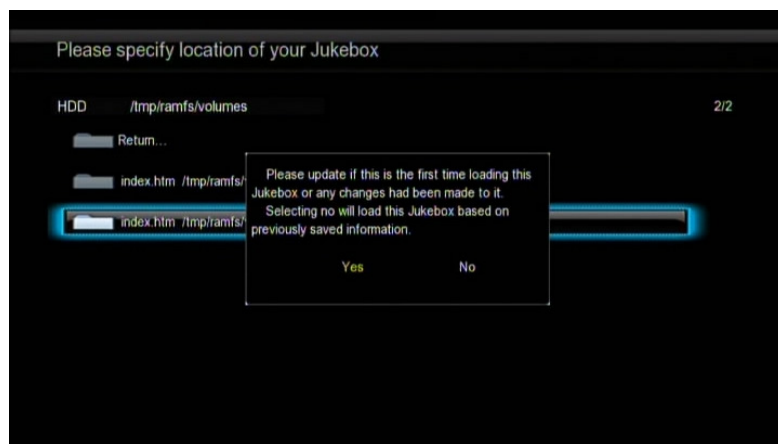
Go to the location of your Jukebox where it was generated with YAMJ for A.C.Ryan



Example, if your Jukebox information is generated and stored on the internal hard disk of your product, choose this selection



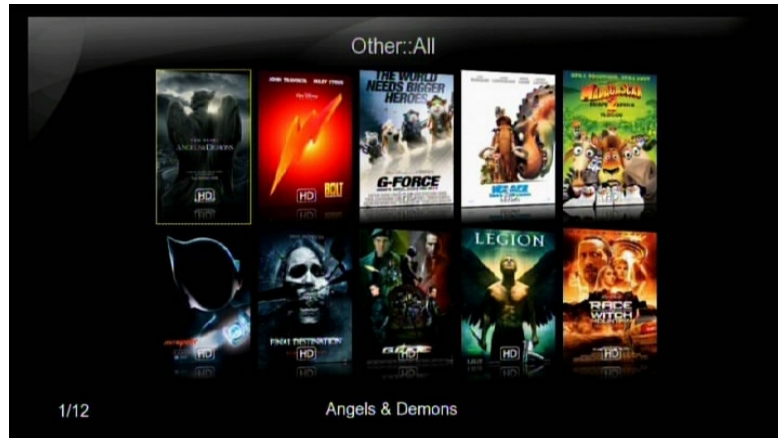
Upon entering the location, the system will search and display all generated Jukebox information for loading (if you have more than one)



A message box will ask if you want to update the selected Jukebox
- Choose Yes if you are loading it for the first time or made any changes[#]
- Choose No to continue loading^{*}

[#]: If you have add/remove any new contents to your current Jukebox, please generate again with Run or Update YAMJ and then select Yes to update and load with the new Jukebox information. Choosing Yes is also required for loading Jukebox for the first time.

^{*}: Updating the Jukebox for the first time may take a while depending on the location of your stored Jukebox and the amount of movies this Jukebox has. You can speed load the same Jukebox again the next time by selecting No.



Selecting Other – All from the category page will display all cover arts in the Jukebox in a thumbnail layout. You can also use the category page to sort and display your movies according to Genres, Title, Rating, Year, etc.



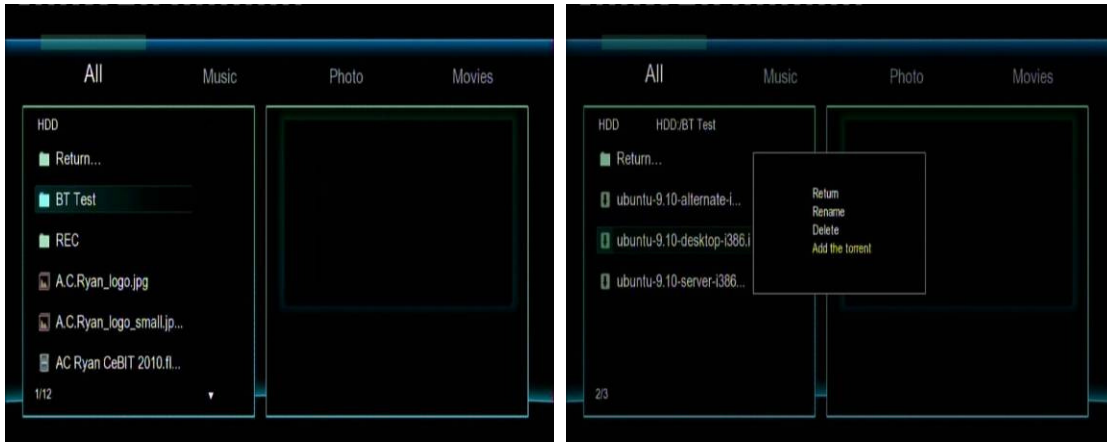
Selecting any movie from the thumbnail will display the movie details as well as the movie synopsis, star rating, etc as generated by YAMJ for A.C.Ryan
Press the Enter button on your remote control to start playing the movie. Enjoy.

4.7 Torrents

Turn on BitTorrent and SAMBA option in setup menu before using BitTorrent download function, and make sure the product is connected properly to a LAN or WLAN with Internet access. Select the **Torrents** icon at the home menu. You can see the status of torrents download progress and configure the BT download settings in this menu. Press **LEFT/RIGHT** button to enter into download menu or BT setup menu.

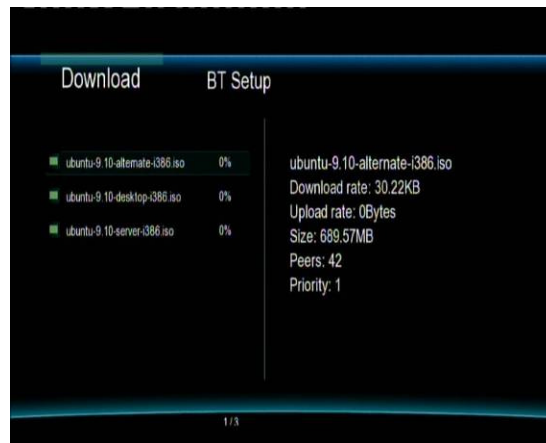
Adding a torrent

Locate your torrent file in Browser menu, then press **MENU** button to add the torrent to start downloading.

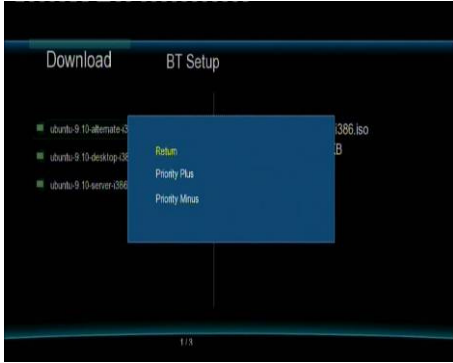


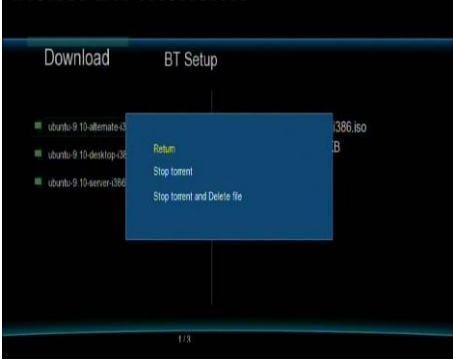
Download Menu

After adding the BT torrent files, the download progress will be displayed in this menu.

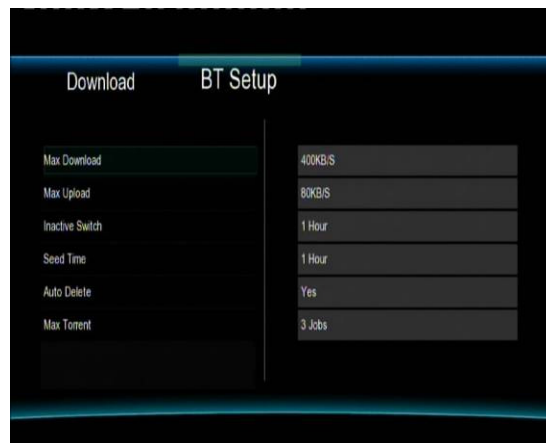


The following buttons can be used under this menu.

Button	Function
UP / DOWN	Move cursor up / down.
MENU	press to adjust the priority of the download task 
PAUSE	Press to pause the download.

PLAY	Press to resume download.
STOP	Press to stop the download. 
RETURN	Return to the previous menu.

BT setup Menu



In the **BT Setup** menu, you can configure the following settings. Use **UP/DOWN** and **ENTER** to change the settings.

- Set the maximum download rate.
- Set the maximum upload rate.
- Set the idle hours to start the next download automatically.
- Set the seeding hours.
- Set to delete the finished torrent files automatically.
- Set the maximum number of simultaneous download tasks.

4.8 Internet Feeds

This feature is an add-on function. All contents and services under this feature are provided by third-party service providers, our company does not offer any contents and services of this feature and is not responsible for any contents and services provided under this feature. Our company is not responsible for any operational stability of the contents and services, for example, if you cannot access certain web site for video streaming or news broadcast, or the

content of a web site has been changed etc, are all responsibilities and controlled by the third-party service providers. If you find that these features are not operating correctly, please contact our customer service or visit our forum to obtain the relevant information.

Note:

- Make sure the product is connected properly to a LAN or WLAN with Internet access, please refer to '**3.4 Changing Network Settings**' for more details.

4.9 Internet Radio

This product integrates the SHOUTcast free Internet Radio portal. Select the **Internet Radio** menu at the home menu.



Note:

- Make sure the product is connected properly to a LAN or WLAN with Internet access, please refer to '**3.4 Changing Network Settings**' for more details;
- When you enter the **Internet Radio** menu for the first time, it may take several seconds to load the stations from the portal.
- For more information on SHOUTcast, please visit their website: www.shoutcast.com

The following buttons can be used under this menu.

Button	Function
UP / DOWN	Move cursor up / down to select station, channel, and genre.
PREV / NEXT	Page up / down.
ENTER	Confirm and enter the selected menu.
MENU	Add / delete a station to / from Favorite while it is highlighted.
PLAY	Begin playback after a channel has been selected.
STOP	Stop playback.
RETURN	Return to the previous menu.

Station

- All loaded stations will be listed under this menu.

Genre

- You can search for stations by genre (pop, rock, jazz, etc.) under this menu.

Favorite

- Your favorite stations can be kept under this menu.

Search

- You can search for stations with the on-screen virtual keyboard under this menu.

4.10 File Copy

Select the **File Copy** menu from the home menu or press the **COPY** button on the remote control, which allows you to copy files between Removable Devices (Card, USB), HDD, and Network.



The following buttons can be used under the file copy menu.

Button	Function
UP / DOWN	Move cursor up / down to select devices, folders
RIGHT	Go to the next step.
RED	Select (or cancel) folders or files (The selected items will be marked).
STOP	Cancel all selections.
ENTER	Confirm the selected options.

Please refer to the following steps to copy / move files / folders between devices.

- Step 1: Select the source device and enter to the directory of your source files.
- Step 2: Select the files you want to copy/move.
- Step 3: Select the destination device to copy/move the marked files.
- Step 4: Select **Copy** or **Move** to proceed.

4.11 Remote Control

This product comes with a unique remote control feature that allows user to remotely access from the internet to operate the following functions on the product via a built-in HTTP server.

- **Remote Control**

Using the on-screen virtual remote control and use it like you would with the hand-held



- **Upload/download files**

You can view the status of your internal hard disk or the attached USB storage device from anywhere over the internet.

Device list

Partition	Drive type	Total size	Used	Left	Used percent	Mount point
HDD:	HDD	483.69 GB	5.64 GB	478.05 GB	1 %	/tmp/hdd/volumes/HDD1
C:	USB	3.95 GB	3.70 GB	0.25 GB	94 %	/tmp/usbmounts/sdb

Clicking on an hyperlink of your file name to download, or use the Browse button to find the file you wish to transfer to the internal hard disk, and then click on Upload to being transferring.

HDD1

Upload a file to the above folder: C:\Users\User\Pictures\

- BT
- BT Test
- image
- movie
- music
- REC
- A.C.Ryan_logo.jpg
- A.C.Ryan_logo_small.jpg
- AC.Ryan.CeBIT.2010.flv
- acryan_playon_wallpaper.jpg
- acryan_wallpaper.jpg
- japanese-mall-fountain.wmv
- m3u.All
- m3u.info

- **BitTorrent management**

View and manage your BitTorrent tasks remotely over the internet.

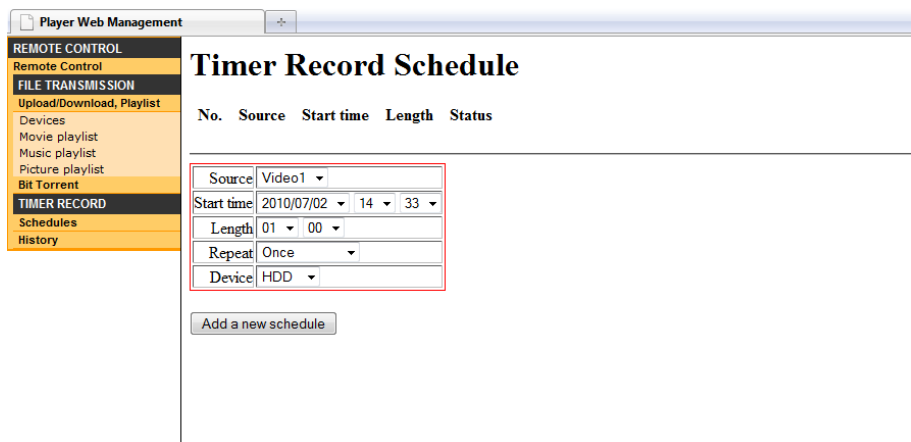
Neighbor Web

▶ Start ■ Stop ✕ Delete ↻ Refresh ↓ ↑ ⚙ Setting ➕ Add new torrent

No	Torrent file name	Size(MB)	Priority	Percent	Peers	Speed(kB/s)
1	ubuntu-9.10-server-i386.iso	640.57	1	9%	0	0.00 kB/s
2	ubuntu-9.10-desktop-i386.iso	689.97	1	11%	0	0.00 kB/s
3	ubuntu-9.10-alternate-i386.iso	689.57	1	11%	0	0.00 kB/s

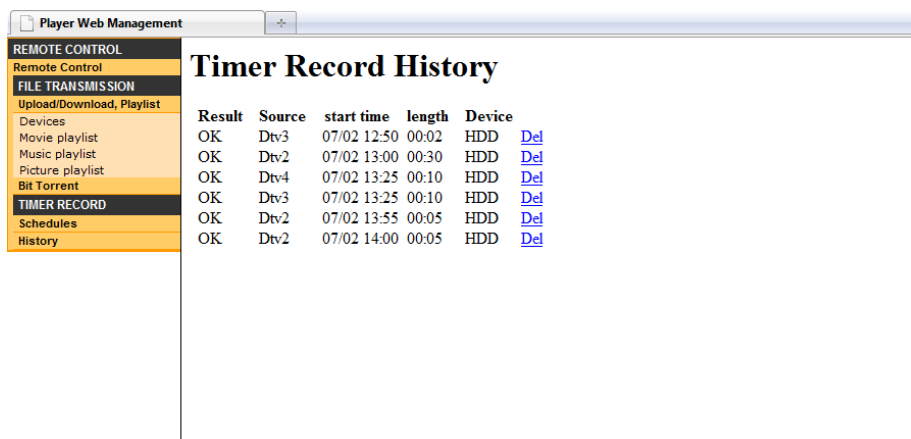
- **Schedule Recording**

If you have missed scheduling a recording before you leave the house, you can still have it done just by logging on over the internet!



- **View recording history status**

You can check on your past recording history over the internet, a thoughtful implementation for you to check on your recordings while you are away from home.



HTTP Server configuration

On your product,

- Assign a manual Fixed IP address for the product, for example 192.168.0.9 when you connect to your router either via wired or wireless connection.
- Assign the same subnet mask as your router, usually 255.255.255.0 and the gateway of your router (router's local IP address, usually 192.168.xxx.xxx). Please refer to your router documentation on getting these information from your router.
- Key in your router DNS IP address (primary or secondary)

On your router,

- Configure HTTP Server within your router's Virtual Server setting and key in the above IP address in example, 192.168.0.9 and change both the public and private port to 1024 which is port 80 by default.
- For your convenience, you can also choose to enable Dynamic DNS and sign up for a free DDNS domain at any of the website providing such free services. An example would be www.dyndns.com
- At your router's DDNS page, key in your host name and enter the same user name and password when you create a DDNS account. Please refer to your router documentation on getting these information from your router.

To access via HTTP server from out of your local network, launch a web browser such as Internet Explorer and at the address bar, key in either

- **http://123.456.789.000:1024** where **123.456.789.000** is the WAN IP address of your router. Please refer to your router documentation on getting this information from your router.

Or

- Key in **http://DDNS-HOST-NAME:1024**, where **DDNS-HOST-NAME** is the host name which you have signed up for at your desired DDNS service provider.

4.12 SAMBA Server and Client

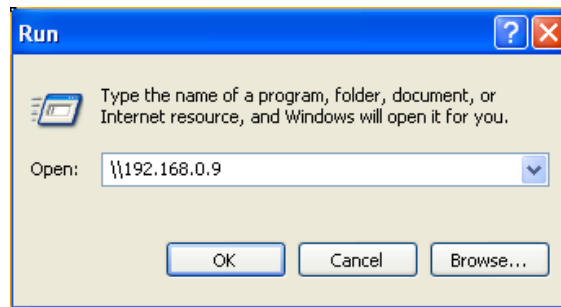
This player can be used either as a SAMBA Server or as a client.

SAMBA Client

- You can stream media files shared on the home network. Please refer to '**4.4.5 A/V Streaming via Network**' for more details.

SAMBA Server

- This product functions as a NAS (Network Attached Storage) device when it is attached to the home network via either Ethernet or WLAN. This feature allows users to store and retrieve large amounts of data from their own local network.
- When the network connection is done correctly and ready for use, please turn on **BitTorrent and Samba** function in the setup menu in advance (refer to **3.5 Changing Network Settings** for more details), and then type in: \\IP Address in the Run window (click Run in the start menu) or in the address bar of a web browser, for example Internet Explorer on your PC (if the IP address of the product is 192.168.0.9, please type in: \\192.168.0.9), and click OK or press the Enter button on the keyboard.



Under Windows Vista and Windows 7, please type in: \\192.168.0.9 at the search bar, then press the Enter button on the keyboard.



You can then manage the files stored on the internal hard disk of the product. In this way, you can also playback and copy files via network between your PC and the internal hard disk of this product.

4.13 FTP Server

This product can also function as a FTP Server when it is attached to your home network via wired or wireless connection.

FTP Sever Configuration

- You can configure the username and password of the FTP Server. Please refer to '**3.5 Network setup**' on doing so.

On your product,

- Assign a manual Fixed IP address for the product, for example 192.168.0.9 when you connect to your router either via wired or wireless connection.
- Assign the same subnet mask as your router, usually 255.255.255.0 and the gateway of your router (router's local IP address, usually 192.168.xxx.xxx). Please refer to your router documentation on getting these information from your router.
- Key in your router DNS IP address (primary or secondary)

On your router,

- Configure FTP Server within your router's Virtual Server setting and key in the above IP address in example, 192.168.0.9 and leave both the public and private port to 21 which is by default for most routers.
- For your convenience, you can also choose to enable Dynamic DNS and sign up for a free DDNS domain at any of the website providing such free services. An example would be www.dyndns.com
- At your router's DDNS page, key in your host name and enter the same user name and password when you create a DDNS account. Please refer to your router documentation on getting these information from your router.

Accessing from a FTP program

Using your favorite FTP application on your PC, an example would be ALFTP, which can be downloaded from <http://www.altools.com/ALTools/ALFTP.aspx>

At the FTP program connection page, you can either connect using your router's WAN IP address or via your DDNS host name.

Be sure to start the FTP service with your User Name and Password as discussed at **FTP, '3.5 Network setup'**

The screenshot shows a dialog box titled "Enter site to connect to". It has two tabs: "Site Information" and "SFTP Option". The "Site Information" tab is active. It contains the following fields and options:

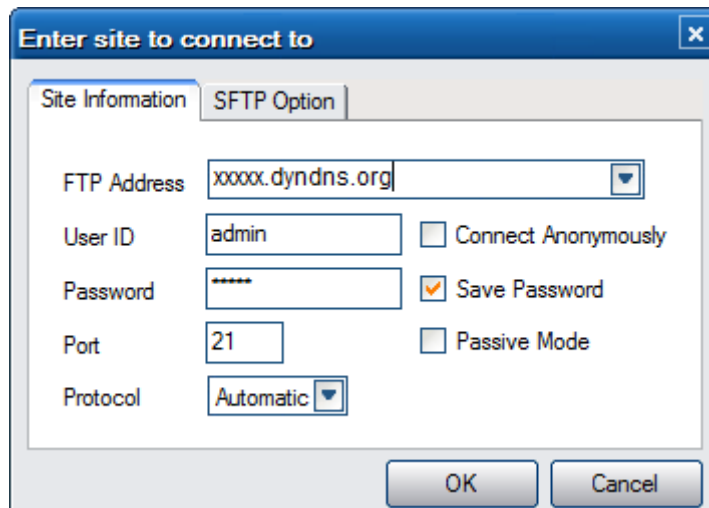
- FTP Address: WAN IP address (dropdown menu)
- User ID: admin (text input)
- Password: ***** (password input)
- Port: 21 (text input)
- Protocol: Automatic (dropdown menu)
- Connect Anonymously:
- Save Password:
- Passive Mode:

At the bottom of the dialog are "OK" and "Cancel" buttons.

FTP Address: Your router's WAN IP address

User ID: The User Name which was set under **FTP, '3.5 Network setup'**

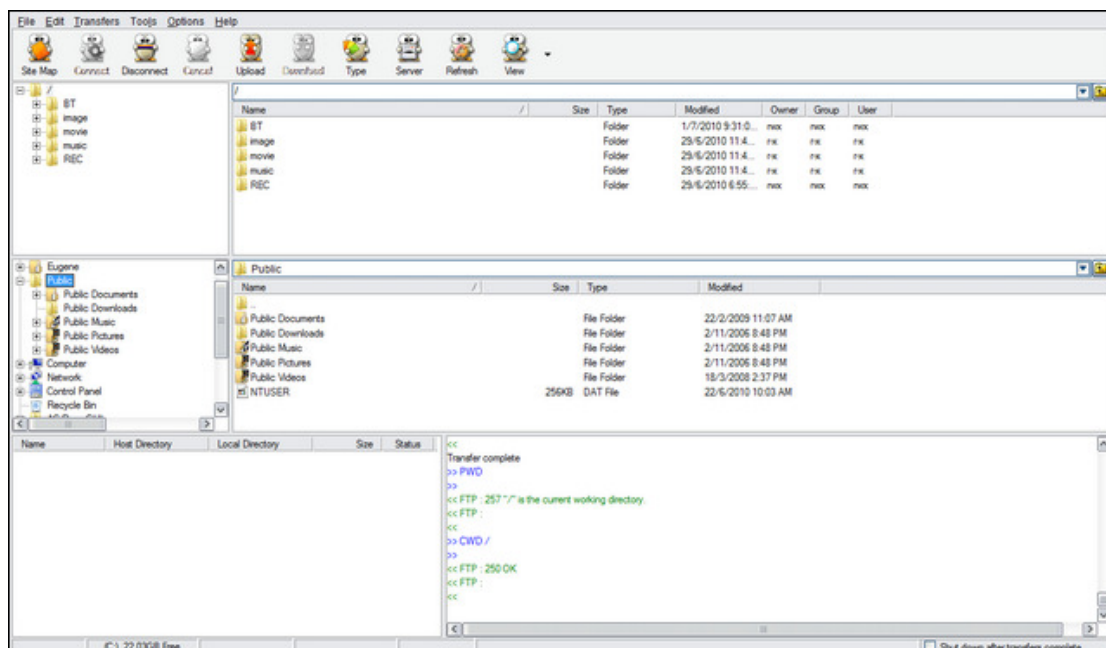
Password: The Password which was set under **FTP, '3.5 Network setup'**



FTP Address: Your DDNS host name

User ID: The User Name which was set under **FTP, '3.5 Network setup'**

Password: The Password which was set under **FTP, '3.5 Network setup'**



After login is successful, you will be able to upload/download files via FTP Server.

5. Upgrading the Firmware

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

(1) Copy 'install.img' or extension files to the root directory of a USB flash drive, and connect it to any of the USB host port of the product.

(2) Press and hold on to the **power / standby** button on the front panel of the product.

(3) Plug the power cable into the DC IN jack, wait for about 5 seconds or more, and then release your finger on the **power / standby** button;

Firmware installation will start shortly. There is another way for upgrading. Please refer to **System Update** and **Extension Info** in chapter '**3.6 Changing System Settings**' for more details.

6. Appendixes

6.1 Specifications

I/O INTERFACES SUPPORTED:

- 3.5" SATA/SATA II HDD
- eSATA host port
- USB 2.0 host port x 2 (compatible to USB 1.1)
- Memory Card slot (supports SD/SDHC/MMC/MS/MS Pro)
- USB 2.0 device port (connecting to PC)
- Composite (CVBS) A/V IN jack
- Composite (CVBS) A/V OUT jack
- Component Y/Pb/Pr jack
- ANT.RF IN/OUT socket
- HDMI V1.3 interface
- S/PDIF coaxial & optical jack
- DC-IN 12V

FILE SYSTEM SUPPORTED:

- Internal hard disk: NTFS
- External storage: FAT/FAT32/NTFS/EXT3/HFS+

CONTENT FORMATS SUPPORTED:

- AVI/MKV/TS/TP/TRP/M2TS/MPG/MP4/MOV/M4V/VOB/ISO/IFO/DAT/WMV/ASF/RM/RMVB/FLV, resolution up to 720p/1080i/1080p
- MP3/OGG/WMA/WAV/AAC/FLAC
- HD JPEG/BMP/GIF/TIF/PNG

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 (DRM, and Advanced Profile not supported), PCM, LPCM, MS-ADPCM, LC-AAC, HE-AAC, COOK, RA-Lossless
-

SUBTITLE FORMATS SUPPORTED:

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

NETWORK FEATURE

- 10/100Mbps Auto-Negotiation Ethernet
 - 802.11b/g/n, up to 300Mbps (supported by optional Playon! Wireless-N USB adaptor)
-

VIDEO RECORDING

- Digital TV recording format: TS
 - AV IN recording format: MPG(MPEG2,MP2)
-

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

6.2 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.

Question 6. Why when I switch to Y/Pb/Pr 480p, 576p, 720p, 1080i, and 1080p, does the TV screen display an unwatchable picture?

Answer:

Please check if your TV supports Y/Pb/Pr 480p, 576p, 720p, 1080i, and 1080p 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 7. Why is there no sound on movie or music playback when using Y/Pb/Pr component 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 sound.

Question 8. I cannot get SSID name, the screen always displays: 'Can't get any SSID!!'

Answer:

When the WLAN USB Adapter is connected to the player, it needs some time to get initialized. Please wait for about 1~2 minutes and try refreshing the SSID list again.

Question 9. I cannot see files shared on my computer via Browser->Network menu.

Answer:

Please check following items:

- 1) Connect the player to network and obtain an IP address first;
- 2) Please enable NetBIOS of TCP/IP on computer;
- 3) Please check your PC's firewall settings;
- 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.

Question 10. I configured everything correctly, but still cannot get the wireless network or UPnP function to work.

Answer:

Are you using a firewall such as Norton Internet Security, McAfee Personal Firewall, Zone Alarm, etc. or even the built-in firewall of Windows XP? (Don't forget that Service Pack 2 for Windows XP automatically upgrades your firewall and turn it on by default)

If you have a firewall, it may need to be configured or have exceptions created to allow you to see and communicate with the player on the network. To test if your firewall is preventing network communication (including PING and access shared folders), try disabling it to see if you can connect. If you can connect with the firewall disabled, you may need to add the player to the 'Trusted' list or configure the firewall for local intranet access. Worst-case, disable your firewall long enough to use the player, then enable it again when done.

Question 11. I am using the 802.11n Wi-Fi dongle with an 802.11n wireless router, why the speed is still 802.11g 54Mbps rather than 300Mbps?

Answer:

The IEEE 802.11n Draft standard prohibits using high throughput with WEP or TKIP as the unicast cipher. If you use these encryption methods (e.g. WEP, WPA-TKIP), your data rate will drop to 54 Mbps. You may contact the Access Point or router manufacturer to download the latest firmware, or try other encryption methods (WPA2-AES or WPA2-TKIP), or choose to configure an unsecured profile, but this option is not recommended.

Question 12. Where can I find .torrent files for BitTorrent download?

Answer:

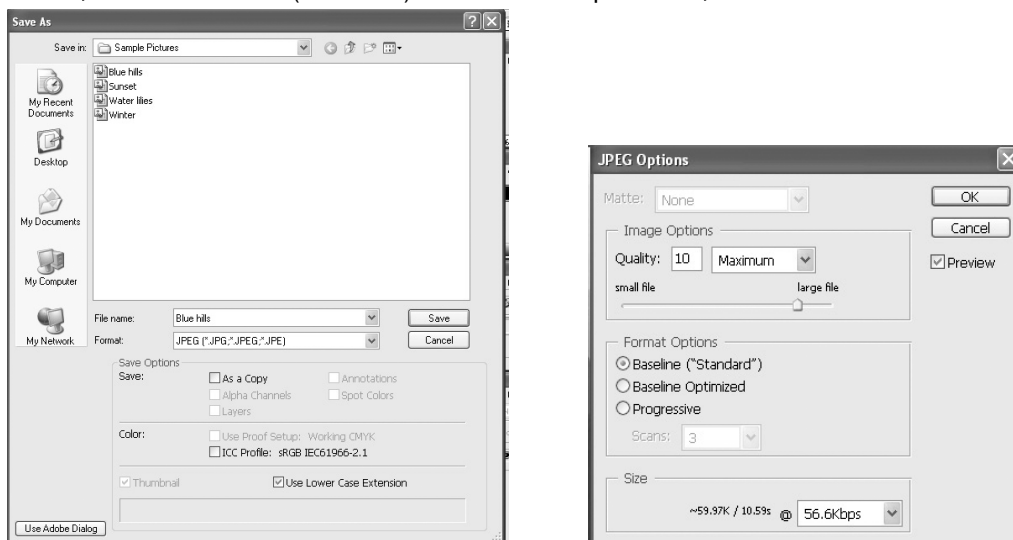
A lot of torrent sites can be found on the Internet, such as The Pirate Bay, Isohunt.com, TorrentPortal.com, Mininova.org, etc. Please take care of the contents you're downloading and their usage, which might cause copyright infringements and violate the local laws.

Question 13. Why do some supported photo formats, cannot be shown in the photo function?

Answer:

In the JPEG format there are 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 14. 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.

Question15. 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 3.6 for changing system settings).

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6.4 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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