

FUDIO DIGITAL

Version 2.2

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URAKU
DVR NV-812
User's Guide

<http://www.fudio-digital.com>

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1. Product Introduction

This DVR is a standalone. It designed for video playing, digital recording and mass memorizing. It is a video player that can play back high quality AV video and audio program on your TV environment. It is also a device can you record your favorite program from television and playback any time. It is developed by the latest digital technology. You will be able to achieve visually high qualified pictures and good sound effects that is comparable good as the DVD resources.

Recording - Instant Recording & Timer Recording and support one button recording.
Recording from AV1 (Composite), YUV (Component) and TV (Analog TV Tuner)
Recording file save as MPEG-2(.vob) or MPEG-4(.avi) format.

Multi Recording Quality – *.VOB HQ/ SP/ LP/ EP/ SLP/ SEP (720X576 / 720X480)
*.AVI HQ/ SP/ LP/ EP/ SLP/ SEP (720X576 / 720X480)

Time Shift - Pause you live TV program and also allow playback your recording program from start while in the mpeg2 recording mode.

Video file supported - *.AVI (Dvix,Xvid), *.VOB(DVD), *.DAT(VCD), *.MPG(Mpeg-1/ 2)
(Up to 720x576i)

Music file supported - *.MP3, and *.WMA

Photo file supported - *.JPEG, *.BMP, and *.Gif

Data Storage – Work as a portable HDD using USB slave 2.0

USB Host – Support USB2.0 host port for recording & playback

Input Source – CVBS (composite) and YCbCr (Component and Audio (L&R Stereo)
(YCbCr Max resolution: 720x576i / Interlace YUV)

Output Source – CVBS (Composite), YPrPb (Component) _720x576i and VGA_720x576i
Audio (L&R Stereo)

Analog TV Tuner – Support analog PAL B/G, D/K, I, SECAM L and L' reception

Backup storage – One key USB backup function

2. Safety Information

Before installing, please read carefully all the instructions & procedure in this manual.

Turn off the power when not in use and unplug the power when not in use for a long time.

Do not open the cover to services by yourself. Contact a qualified service technician or your retailer to help you to service.

Avoid dust, humidity, and temperature extremes.

Do not place the product in the wet or high temperature area.

Do not drop the DVR from heights. Doing so may cause damage to the hard drive.

To avoid malfunction, place the product on a stable and flat surface.

To avoid the damage of surface, do not use any cleanser or the ethyl alcohol.

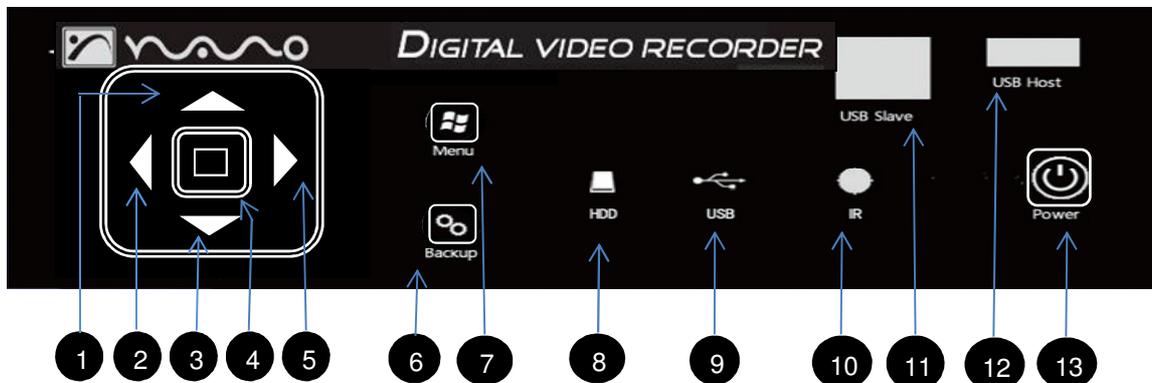
This user guide is only used for installation. Please use the physical set as reference.

3. Packing List

DVR Player - 1
Remote Control - 1
User Guide – 1
AV Cable – 1
Remote Control Battery -2
AC/DC Adaptor – 1
AC/DC Adaptor Power Cord – 1

4. Panel Function Introduction

4.1 Front Touch Sense Panel Layout (For reference only)

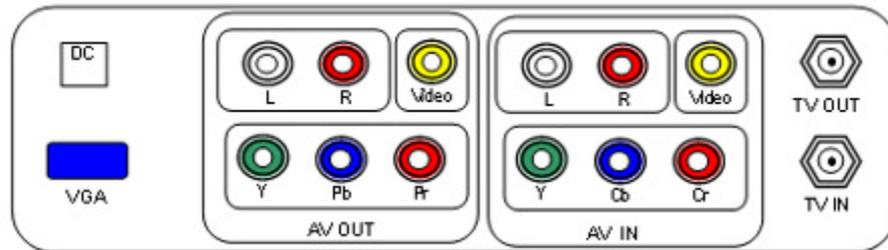


4.2 Front Touch Sense Panel Function Indication:

NO.	Name	Functions
1	Up	Move Up, Next Chapter, Channel Add
2	Left	Move Left, Fast Backward, Volume Down
3	Down	Move Down, Next chapter, Channel Down
4	OK	OK, Stop, Source Switch
5	Right	Move Right, Fast Forward, Volume Up
6	Backup	Backup USB Data to Hard Disk
7	Menu	Menu Open and Returned
8	HDD_LED	HDD Indicator LED Light
9	USB_LED	USB Indicator LED Light
10	IR	IR window
11	USB Slave	Hard Disk Data Copy Connector
12	USB Host	Ext. Hard Disc or Thumb Drive Connector (Recording & Playback)
13	Power	Power On/Off

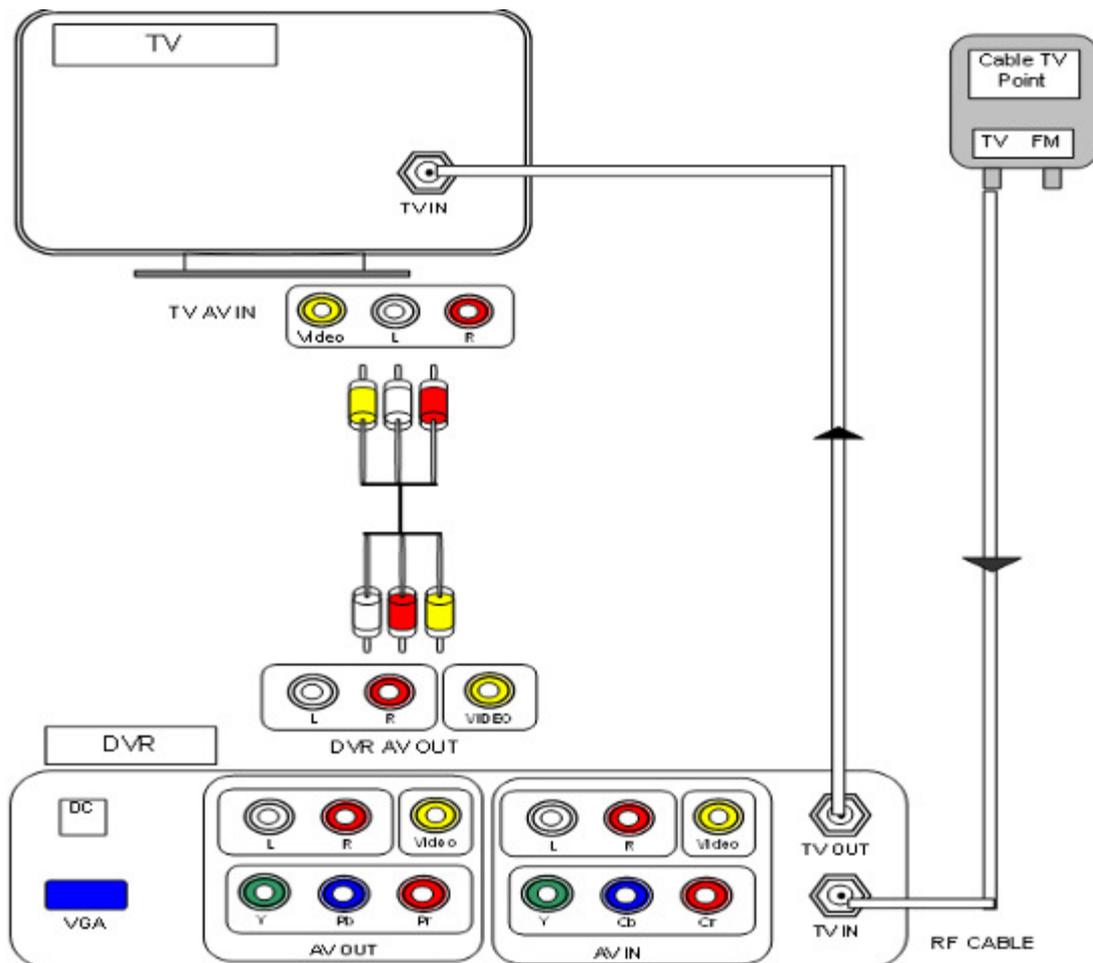
4.3 Rear Panel Layout

DC-In, AV Input, AV Output, VGA Output, TV Input & TV Output connector are show in below panel.

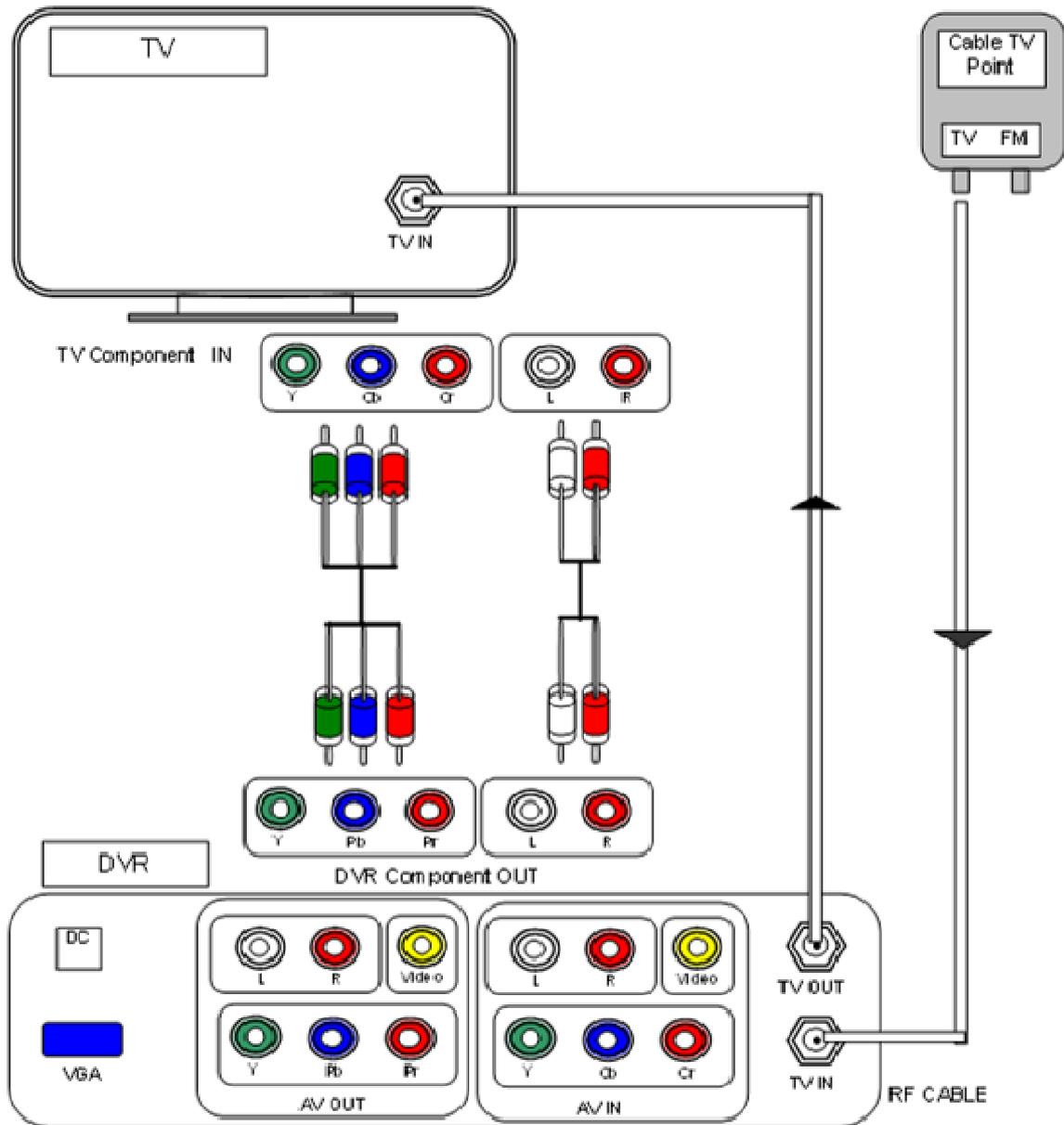


4.4 Installation Guide

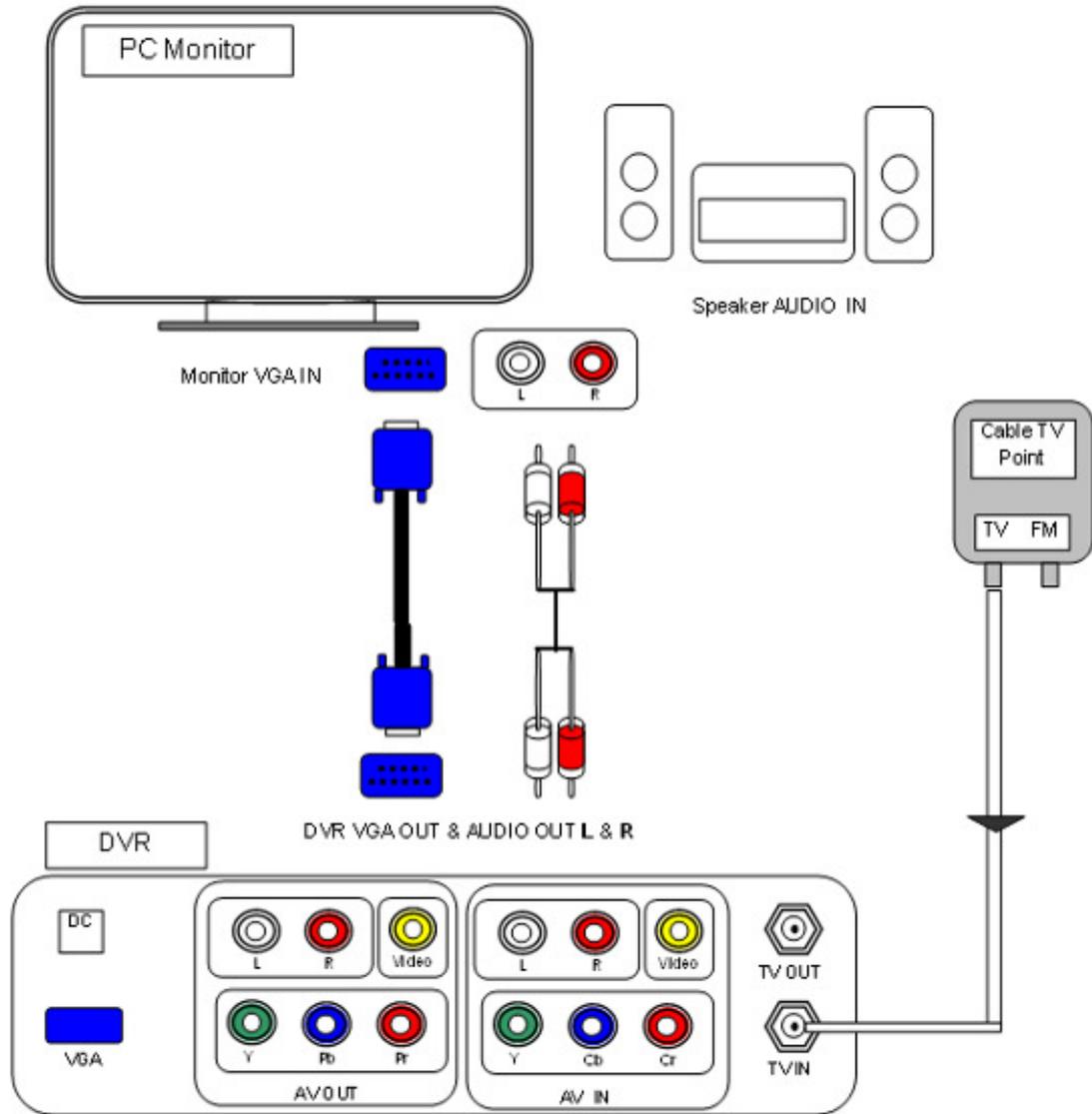
Option 1: RF Cable out from antenna to DVR TV In then from DVR AV (CVBS) out to TV AV (CVBS) in jack



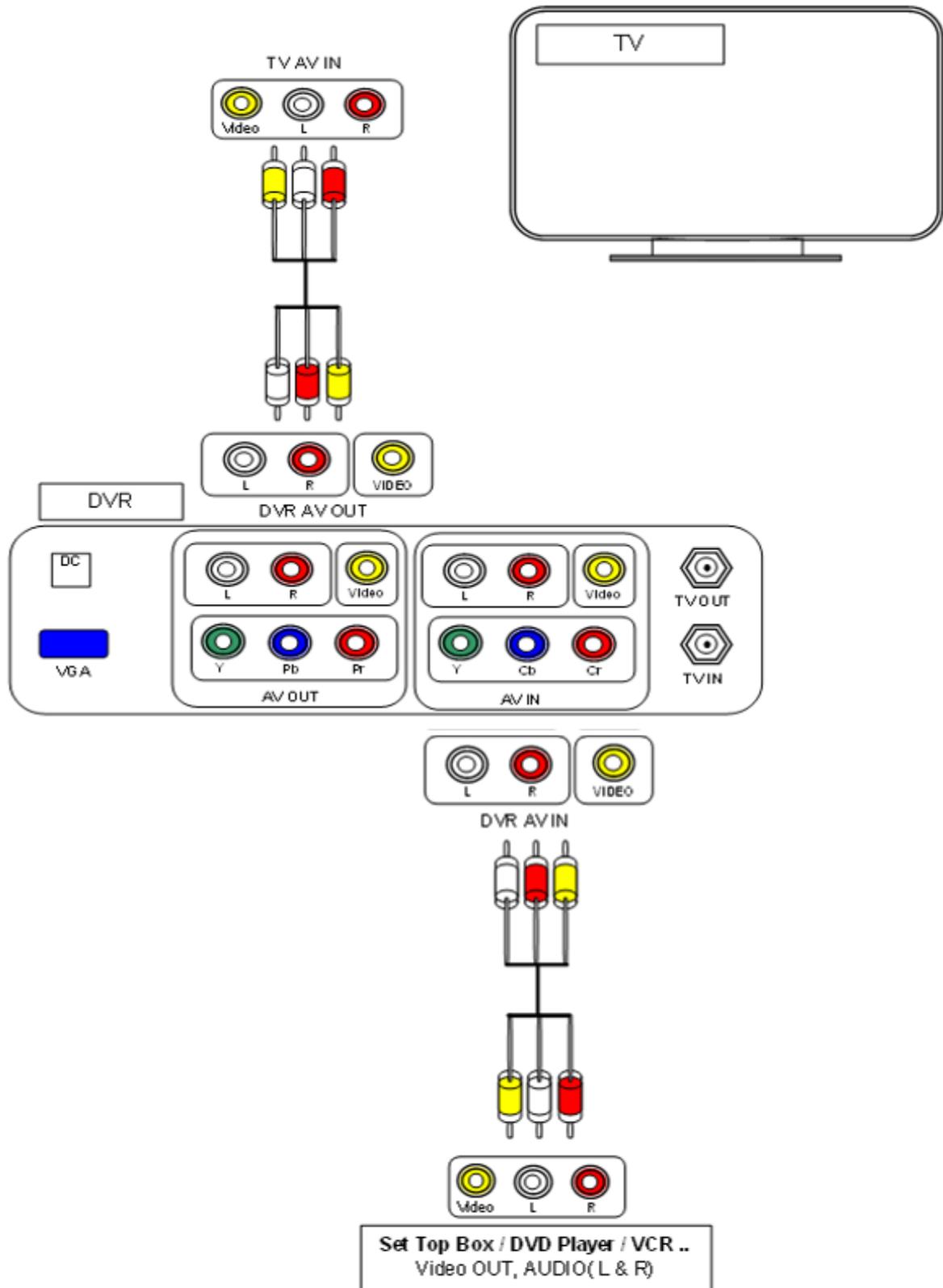
Option 2: RF Cable out from antenna to DVR TV In then from DVR (Y Pb Pr) Component out to TV Component in jack.



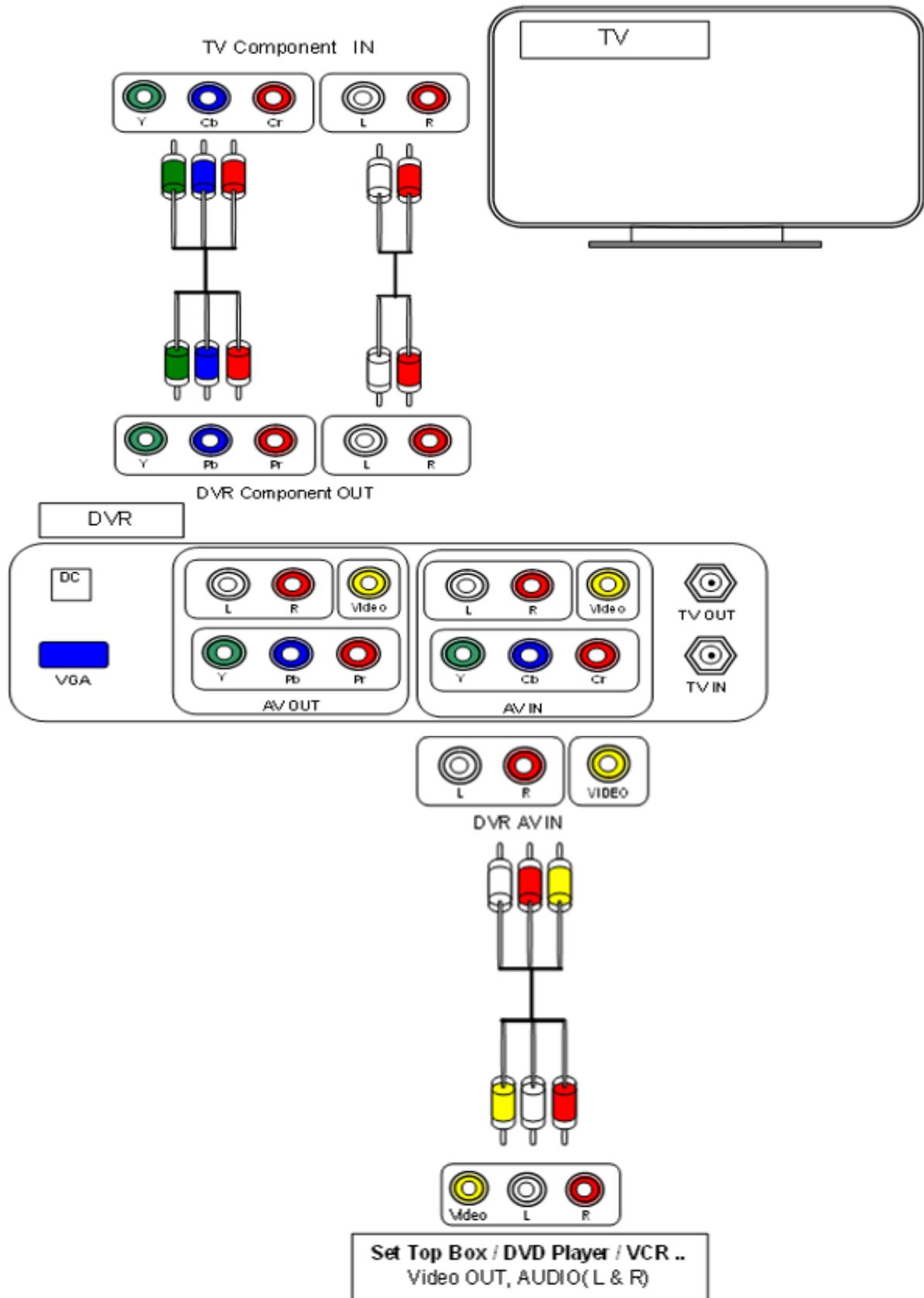
Option 3: RF Cable Out from Antenna to DVR TV In then from DVR VGA out to PC Monitor and DVR Audio out (L & R) to Speaker Audio (L & R) input Jack.



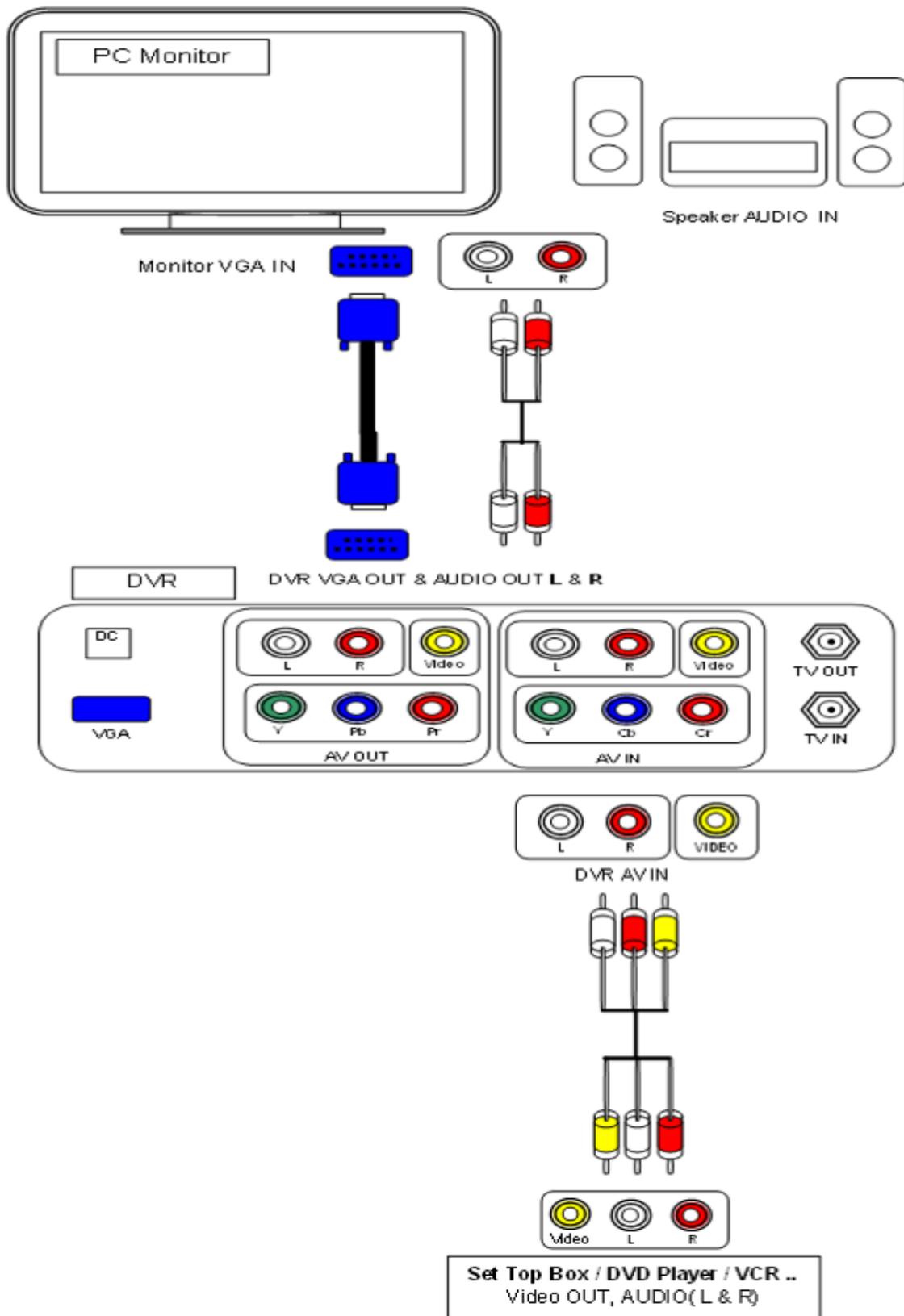
Option 4: **Set Top Box / DVD / VCR AV (CVBS) Out** to **DVR AV (CVBS) in** then from **DVR AV (CVBS) Out** to **TV AV in** jack.



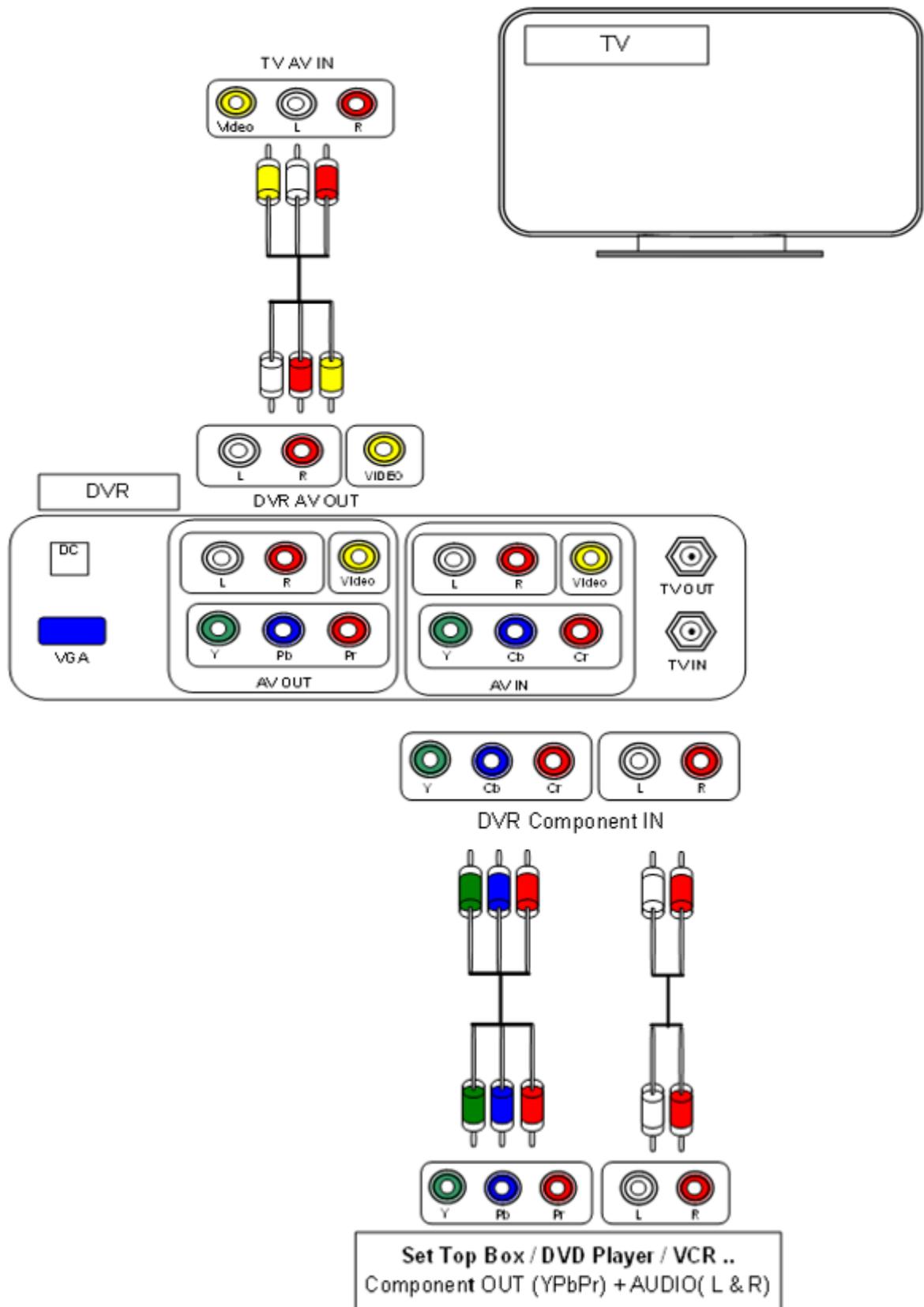
Option 5: **Set Top Box / DVD / VCR AV (CVBS) out to DVR AV (CVBS) in then from DVR Component (Y Pb Pr) Out to TV component in jack.**



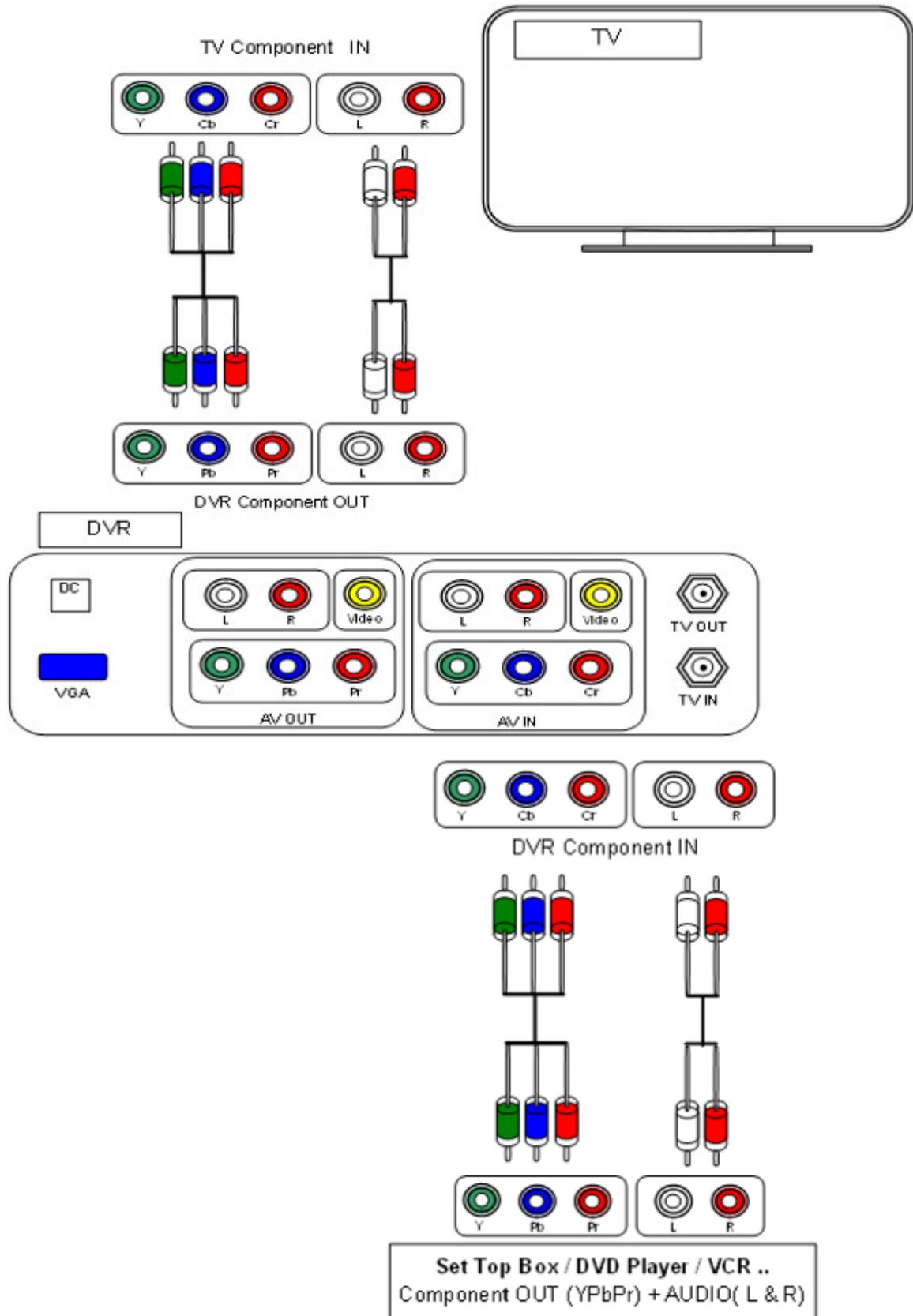
Option 6: **Set Top Box /DVD /VCR AV (CVBS) out to DVR AV (CVBS) in then from DVR VGA out to PC Monitor VGA in (D-Sub) and DVR Audio out (L & R) to Speaker Audio (L & R) input Jack**



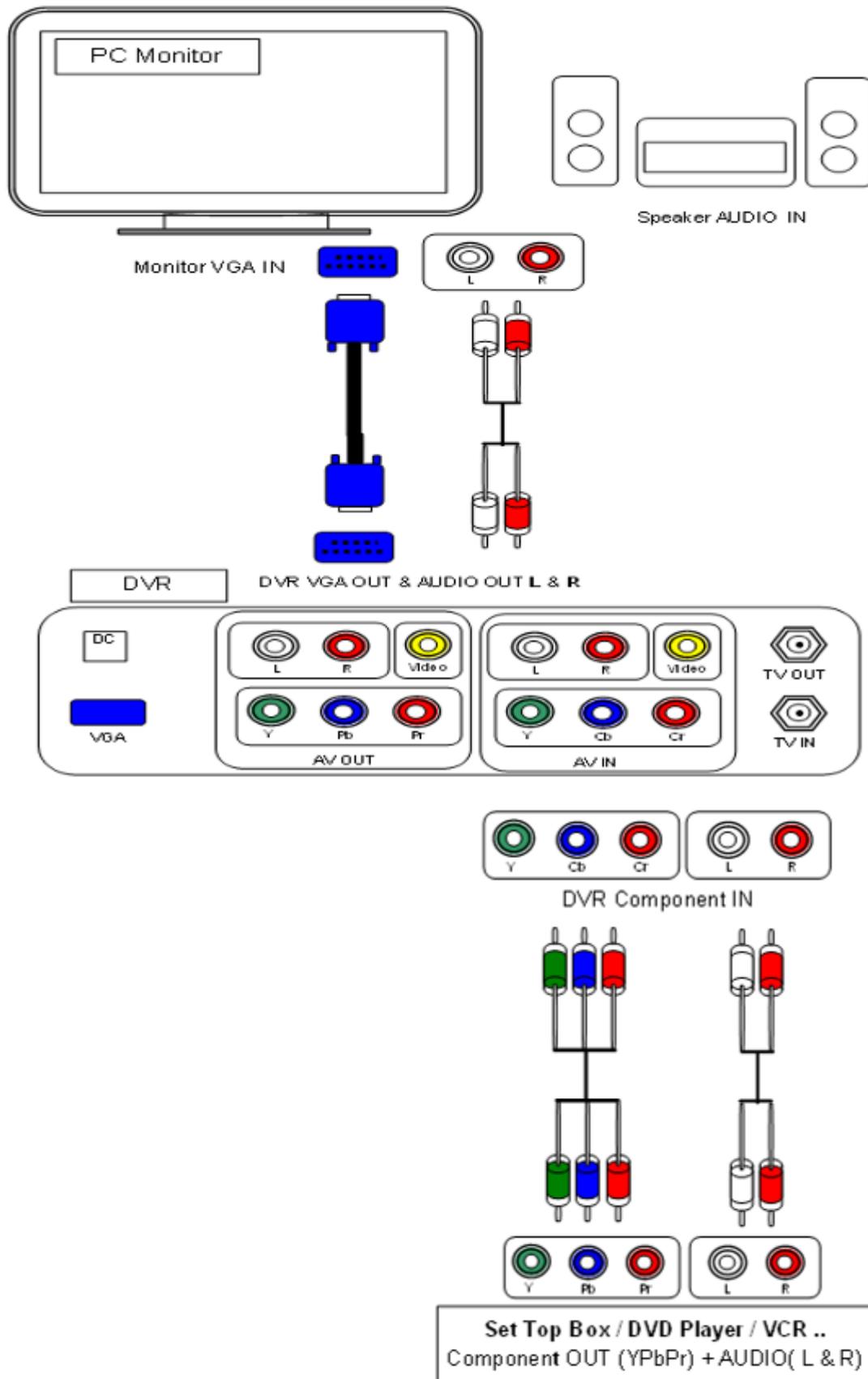
Option 7: **Set Top Box/DVD/VCR** Component (Y Pb Pr) out to DVR Component In (Y Cb Cr) then from DVR AV (CVBS) Out to TV AV in jack



Option 8: **Set Top Box /DVD /VCR** Component (Y Pb Pr) out to DVR Component(Y Cb Cr) in then from DVR component (Y Pb Pr) Out to TV component in jack



Option 9: **Set Top Box /DVD /VCR** Component (Y Pb Pr) out to DVR Component(Y Cb Cr) in then from DVR VGA out to PC Monitor VGA in (D-Sub).



5. HDD & USB Installation

Hard Disk Storage Device:

- Supporting all 3.5' **SATA** interface hard disk available in the market.
(3.5" IDE Hard Disk Drive Optional)
- For **New** HDD installed, you should follow below steps:
 - Step1: Install your HDD into your DVR.
 - Step2: Connect the HDD Power and Data cable accordingly.
 - Step3: Switch on the DVR power.
 - Step4: After DVR boot up enter to TV/AV/YUV mode, switch off the DVR power.
 - Step5: After that switch on the DVR power again.

In this time, DVR itself will automatically detected the HDD and format it as FAT32 Format (HDD LED in the front panel will lighting).

- For **used** HDD installed, you should follow below steps:
 - Step1: Make sure HDD is still working.
 - Step2: Install your HDD into your DVR.
 - Step3: Then connect your DVR to PC using the USB
Slave connector to PC USB port.
 - Step4: If your HDD is still working, PC will auto detect it as an external storage device. Mouse Point to **Computer** and right key to select **Manage** to enter to **Computer Management** >Select >**Disk Management** >Select >DVR HDD volume on the screen and right click on your mouse to select delete volume.
Make sure click on your DVR HDD volume before delete volume.
 - Step5: After deleted the partition, disconnect your HDD with PC.
 - Step6: Switch on the DVR power.
 - Step7: After DVR boot up enter to TV/AV/YUV mode, switch off the DVR power.
 - Step8: After that switch on the DVR power again.

In this time, DVR itself will automatically detected the HDD and format it as FAT32 Format (HDD LED in the front panel will lighting).

USB Storage Devices:

- Supporting most of the market available USB portable hard disk and thumb drive.
- Ensure USB HDD was format to FAT32 format before plug into DVR USB host.
- If not formatted to FAT32 format, DVR unable to detect your USB hard drive.
- For window2000/XP/Vista maximum size format FAT32 only up 32GB in one partition. But For Mac book is can be formatted your portable hard disk (> 32GB) to FAT32 format or you also can visit below website to download the software to format your USB hard disk drive to FAT32 format in one partition.

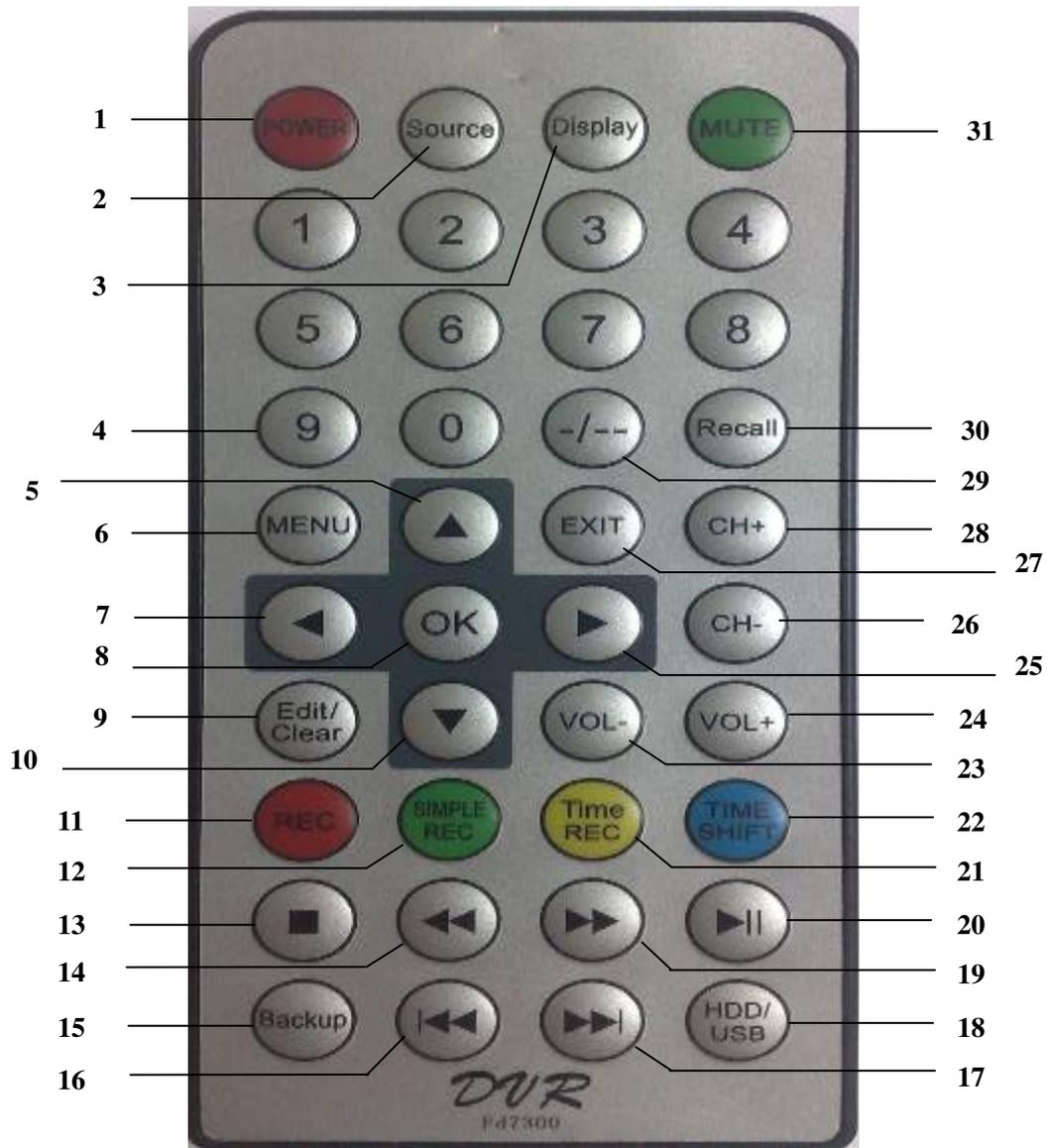
<http://tokiwa.gee.jp/EN/Fat32Formatter>

Important Notes:

- 1- Time Shift function is not supported if Internal HDD is not installed.
- 2- Mpeg2 video recording file is not allowed if Internal HDD is not installed
- 3- One key Backup is not function if Internal HDD is not installed.

6. Remote Control

6.1 Remote Control Panel Introduction



6.2 Remote Control Explanation

No.	Name	Function	Function Introduction
1	POWER	POWER ON/OFF Button	Press to power on/off. •Disable when the device is in recording state or connecting to PC.
2	SOURCE	SOURCE SWITCH Button	Press to switch TV / AV / YUV mode.
3	DISPLAY	DISPLAY Button	Press to display current status. •Press during playback and on screen display appear, showing track number & time remaining. •Press during recording and on screen display appear, showing recording file mode and time recording remaining. •Press during live TV mode and on screen appear, showing the current channel number and time.
4	NUMERIC	NUMERIC Button (0-9)	Press to enter channel numbers or numeric input when changing setting.
5	UP	UP Button	Press to move the highlight up while navigating menus. Press to flip vertical of photo while viewing picture.
6	MENU	MENU Button	Press to open/close menu. Press to return to the Menu while playback movie, song and view photo.
7	LEFT	LEFT Button	Press to move the highlight left while navigating menus. Press to rotate left 90° of photo while viewing picture.
8	OK	Enter/OK Button	Press to select options in menus.
9	EDIT/CLEAR	EDIT/CLEAR Button	Press to select rename, protect, delete, delete all chapter mark, play full title, delete all while in the VIDEO folder. Press to select copy, rename, delete, delete all & create new folder while in the MPEG4 folder. Press to select play mode, rename, delete, copy, delete all & create new folder while in the AUDIO & PICTURE folder. Press to delete the record task while in the timer recording. Press to select insert chapter, delete chapter, delete all chapters, cm cut, set index picture, title split & hide/unhide chapter while in VIDEO file playing mode.
10	DOWN	DOWN Button	Press to move the highlight down while navigating menus. Press to flip horizontal of photo while viewing picture.

11	REC	RECORD Button	Press to begin recording or resume when recording has been paused. Press repeatedly to set the one touch recording (OTR) length(30Min./60Min./90Min./120Min./150Min./180Min./....360Min./Off.)
12	SIMPLE REC	SIMPLE REC Button	Press to enter fast record setup.
13	STOP	STOP Button	Press to stop playback or recording.
14	FR	FAST REWIND Button	Press to fast rewind the current playback. Press repeatedly to select speeds (x2/x4/x8/x20).
15	BACKUP	BACKUP Button	Press to backup USB data to HDD.
16	PREV	PREV Button	Press to view the previous chapter / file / TV Channel.
17	NEXT	NEXT Button	Press to view the next chapter / file / TV Channel.
18	HDD/USB	HDD/USB Button	Press to switch between USB or HDD mode. Press to enter Browser HDD mode/ USB mode.
19	FF	FAST FORWARD Button	Press to fast forward the current playback. Press repeatedly to select speeds (x2/x4/x8/x20).
20	PLAY/PAUSE	PLAY/PAUSE Button	Press to begin playback. Press to pause the current playback or recording. Press again to resume the playback or recording.
21	TIMER RECORD	TIMER RECORD Button	Press to set timer recording tasks.
22	TIME SHIFT	TIME SHIFT Button	While in the live TV / AV1 /YUV mode. Press to activate the time shift function, which allows you to pause live TV and resume the program from the point you left it. While paused, the program is recorded to the internal HDD as long as the space is available. While in recording, Press to activate the time shift function, which allows you to watch the record program from start. Press to activate the time shift function and wait for the appearing on the screen. Press the Pause button and the program will be paused. Press the Play button to resume viewing the program. Press the Fast Forward/Fast Rewind button to fast forward/fast rewind viewing the program. Time shift mode remains active until you press the Stop button or Time Shift button again.
23	VOL -	VOL - Button	Press to decrease the volume.
24	VOL +	VOL + Button	Press to increase the volume.
25	RIGHT	RIGHT Button	Press to move the highlight right while navigating menus. Press to rotate right 90° of photo while viewing picture.

26	CH-	CH- Button	Press to TV channel down
27	EXIT	EXIT Button	Press to return the last stage menu.
28	CH+	CH+ Button	Press to TV channel up
29	-/-	CHANNEL DIGIT Button	Press to set input channel or Playback file digit
30	RECALL	RECALL Button	Press to recall.
31	MUTE	MUTE Button	Press to mute the audio output, and press again to resume.

7. System Menu

7.1 Getting Started

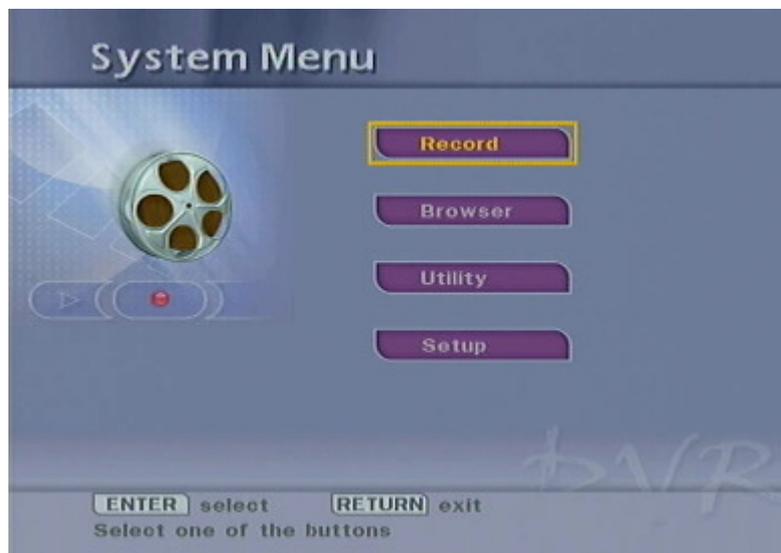
Power on the system, and after a few seconds, the system will enter the TV/AV1/YUV mode. To enter this menu, you can press the **MENU** button on the remote control.

Record: Including Instant Recording and Timer Recording.

Browser: Enter USB/HDD menu, play or edit the contents of the files.

Utility: Formatting HDD/USB functions.

Setup: System setup, Setup the System time & etc



7.2 Record

Select the Record icon on the main interface, press **OK** button on the remote control to enter this menu.

7.2.1 Wizard (Picture as show below)

Press the **UP/ DOWN/ OK** button to select.

Instant Recording: Fast recording setup

Timer Recording: Timer recording setup



7.2.1.1 Instant Recording

Select the Instant Recording icon and Press **OK** button or press the **SIMPLE REC** shortcut button on remote control to get the menu as shown below. Press the **DOWN/ LEFT/ RIGHT** button to confirm the setting then select **Go!** and press **OK** button to start recording.

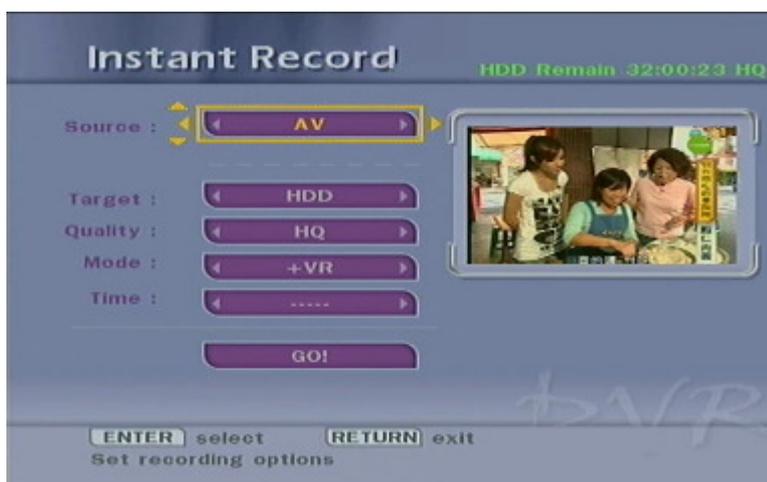
Source: Select Video Input Source: TV, AV1 & YUV

Target: Select Record Target: HDD or USB.

Quality: Select Recording Quality: HQ, SP, LP. EP, SLP & SEP

Mode: Select Recording Mode: +VR or Mpeg4

Time: Select Recording Time: 30mins, 60mins ...360mins



*Note: - If no HDD installed not available for +VR mode recording select.

- +VR recording mode file format saved as *.VOB (Mpeg2 DVD movie quality)
- MPEG4 recording mode file format saved as *AVI (Mpeg4 Xvid)
- +VR & MPEG4 recording video file Width is 720 and Height is 576. (PAL)

7.2.1.2 Timer Recording

Select the Timer Recording icon and Press **OK** button or press the **TIMER REC** shortcut button on remote control to get the menu as show below.

Status: View the recording status

Empty: No recording task

Ready: Ready to record

Done: Record completed

Bad /Overlab: Recording time set error

NoHDD /NoUSB: Can't find storage device

Source: Select recording Source: TV, AV1and YUV.

Date: Select date for recording: Once, Daily & Weekly (Mon/Tue/Wed/Thurs/
Fri/Sat/Sun/Mon-Fri/Sat-Sun)

Start: Select Start time of Timer Recording

End: Select End Time of Timer Recording

Quality: Select Recording file format (+VR/MP4), Quality of recording file (HQ /SP/LP/ EP/SLP/SEP) and Target of recording file storage (HDD/USB).



Press the **OK** button on the remote control to add a new Timer Recording schedule.

Press **LEFT/RIGHT** button to move to the source, date, start time, end time and quality and Press the **UP/ DOWN** button to select the source, data, start time, end time and quality. After set the Quality, press **NEXT / EXIT** button to complete the timer record setting. Press the **EDIT/CLEAR** button to delete the Timer Recording schedule.

Note: Timer Recording Maximum set up to 8 schedules only.



7.3 Browser

Select the **Browser** icon on the main interface, press OK button on the remote control to enter this menu or press HDD/USB button on the remote control to get the menu as show below.

7.3.1 HDD Browser

In HDD Browser, Press the **LEFT/RIGHT** button to select the **Video/ Mpeg4/ Audio/ Picture/ Backup** title.

Video: For viewing your recording file target saved as HDD-+VR mode.

Mpeg4: For viewing your recording file target saved as HDD-MP4 mode and playback your movie files such VOB/ AVI/ MPG/ DAT

Audio: For playing your MP3/ WMA music file

Picture: For viewing your JPG/ BMP /GIF picture file

Backup: For backup your external device data to DVR internal HDD



Note: If no HDD installed it will go to USB Browser menu if only USB was found.

7.3.2 USB Browser

In the USB Browser, title list include the **Mpeg4/ Audio/ Picture**.

Mpeg4: For viewing your recording file target saved as USB-MP4 mode and playback your movie files such VOB/ AVI/ MPG/ DAT

Audio: For playing your MP3/ WMA music file

Picture: For viewing your JPG/ BMP /GIF picture file



HDD/USB button on the remote control can be used to access the menu or switch between USB and HDD mode.

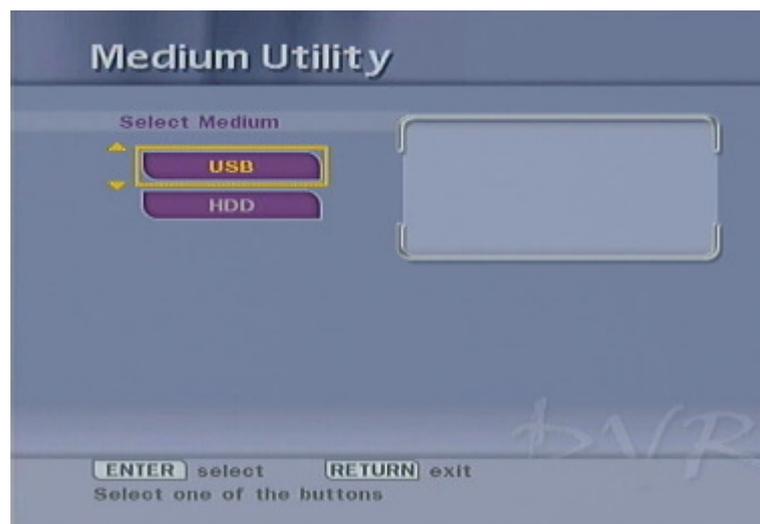
Can switch among Video, Movie, Music, Picture, Backup through remote control Left and Right button.

*Note: Too much files or folders will affect the HDD operation speed; delete the unused file or folder to enhance the operation speed.



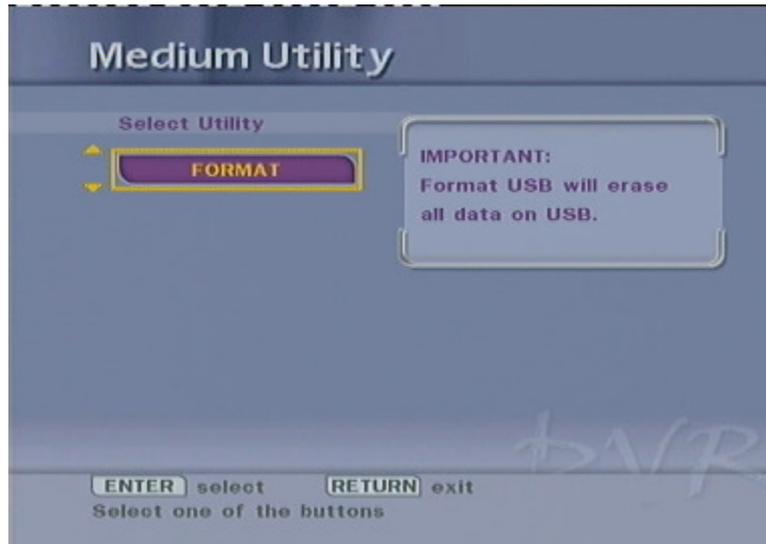
7.4 Utility

Select the **Utility** icon on the main interface, press OK button on the remote control to get the menu as show below.



*Note: The main function of Utility is formatting your HDD or USB device.

Select the USB icon on the Utility interface, press **OK** button on the remote control to get the picture as show below.

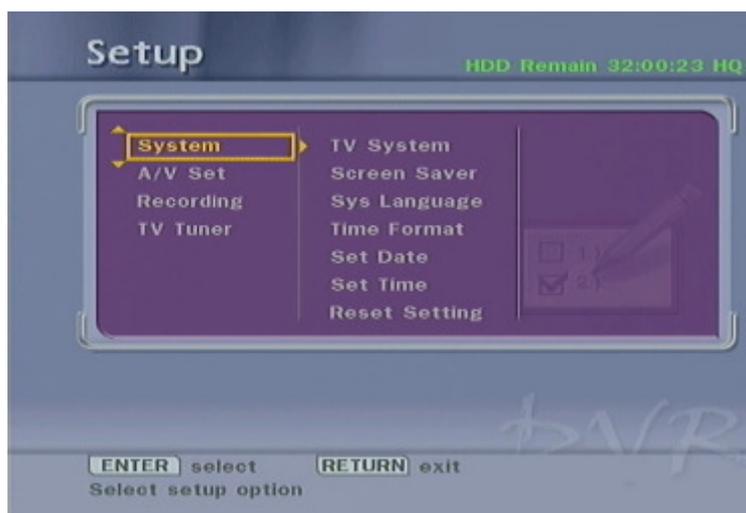


*Important Note: After select the FORMAT and press the OK button will erase all the data on the device.

7.5 Setup



Select the **Setup** icon on the main interface, press **OK** button on the remote control to enter this menu as show below.



7.5.1 System

Select to the system, press the **RIGHT** button to set the TV System, System Language, Time format, Set date, Set time & Reset setting.

TV System: Setup the TV output format: PAL/NTSC

Sys Language: Setup System Language: English, Chinese...

Time Format: Setup Time Format: M_D_Y (AM/PM) or M_D_Y (24H Format)

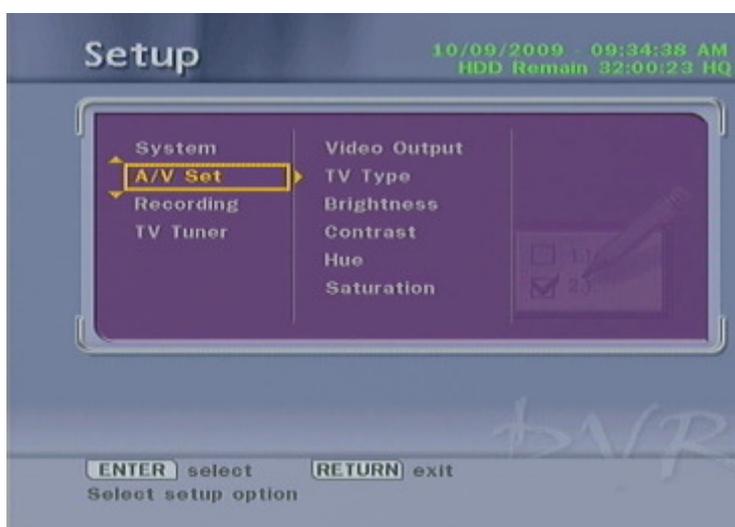
Set Date: Setup System Date

Set Time: Setup System Time

Reset Setting: Reset System to Default Setting

7.5.2 A/V Set

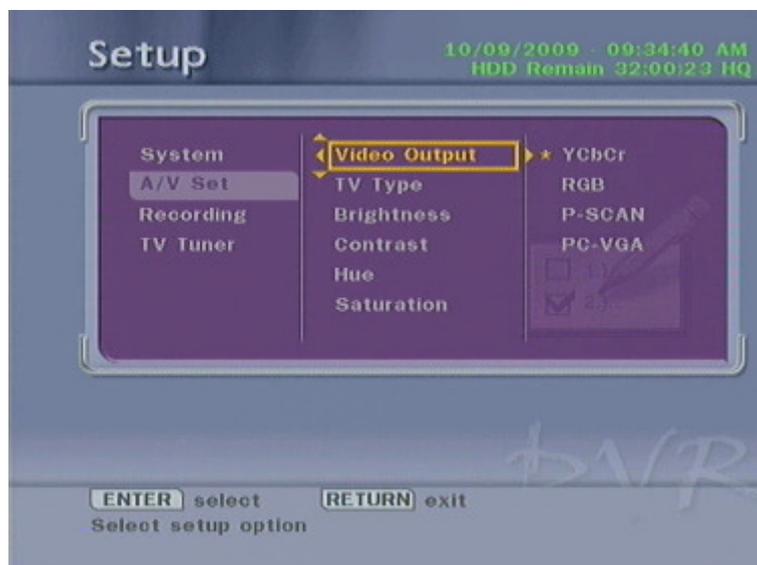
Select the A/V Set, you will able to see the picture show as below. Press the **RIGHT** button to set the Video Output, TV Type, Brightness, Contrast, Hue and Saturation.



7.5.2.1 Video Output

Press the **UP/DOWN** button to select Ybcr, RGB, P-Scan, PC-VGA.

Press the **OK** button to confirm.



YCbCr: Select YCbCr when recorder output using the YPbPr (Component) 720x576i and Video (Composite).

RGB: Select RGB when recorder output using the Video only (Composite).

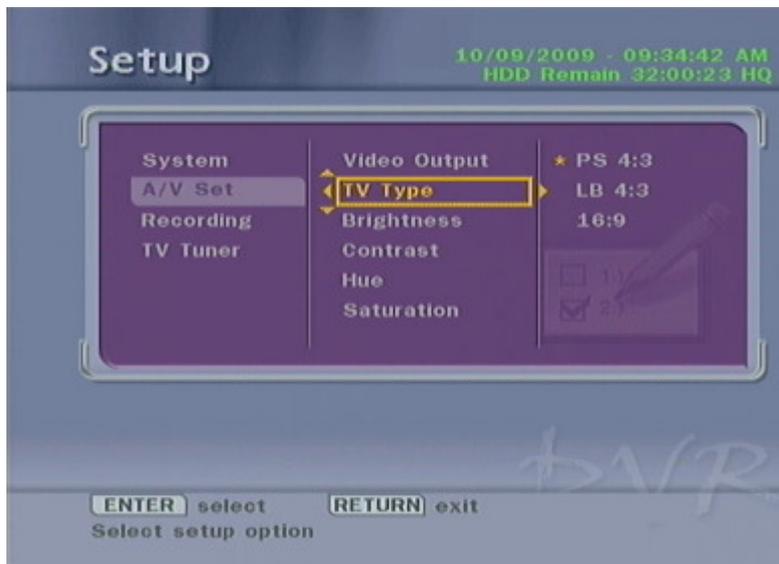
P-SCAN: Select P-Scan when recorder output using the YPbPr (Component) 720x576p and Video (Composite).

PC-VGA: Select PC-VGA when recorder output using the VGA connector 720x576i and Video (Composite)

*Notes:

- (1) Don't connect the Component Out & VGA cable to the device at the same time.
- (2) If Select PC-VGA as output; YCbCr was not signal.
- (3) If select YCbCr as Video Output; VGA Output was no Signal.
- (4) System Default Setting: YCbCr.

7.5.2.2 TV Type



Press the UP/DOWN button to select from PS 4:3, LB 4:3 or 16:9. Press the OK button to confirm.

PS 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.

LB 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 TV is connected.

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

Note: System Default Setting: PS 4:3

7.5.2.3 Brightness

Press the **OK** button to enter and set brightness levels.

Press the **UP/ DOWN** button on the remote control to adjust the brightness. The new setting is previewed on TV screen. Press the **OK** button to confirm.

7.5.2.4 Contrast

Press the **OK** button to enter and set contrast levels.

Press the **UP/ DOWN** button on the remote control to adjust the contrast. The new setting is previewed on TV screen. Press the **OK** button to confirm.

7.5.2.5 Hue

Press the **OK** button to enter and set Hue levels.

Press the **UP/ DOWN** button on the remote control to adjust the Hue. The new setting is previewed on TV screen. Press the **OK** button to confirm.

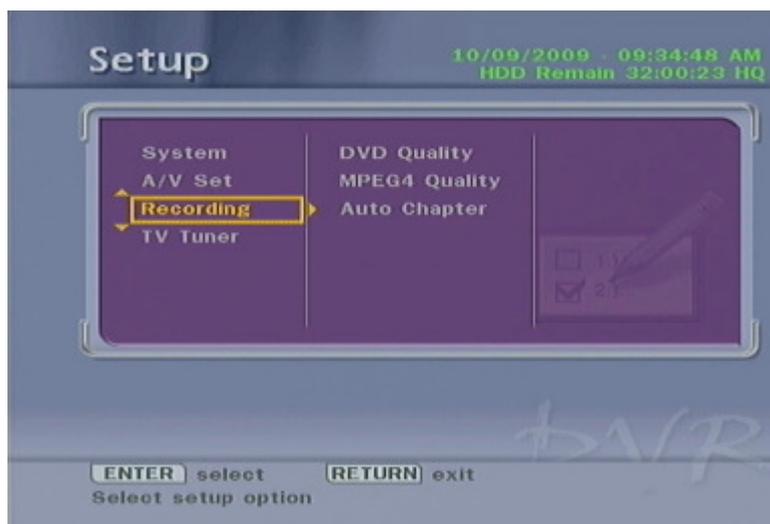
7.5.2.6 Saturation

Press the **OK** button to enter and set Saturation levels.

Press the **UP/ DOWN** button on the remote control to adjust the Saturation. The new setting is previewed on TV screen. Press the **OK** button to confirm.

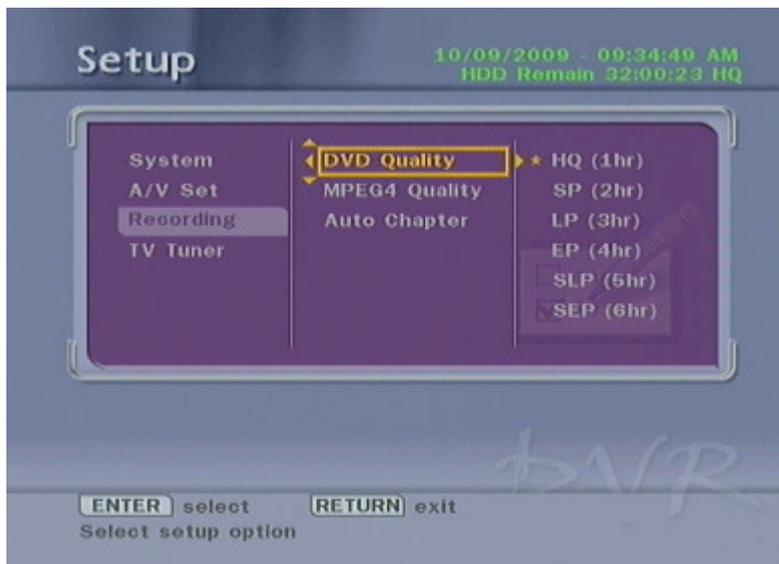
7.5.3 Recording

Select the Recording, you will able to see the picture show as below. Press the **RIGHT** button to set the DVD Quality, MPEG4 Quality and Auto Chapter.



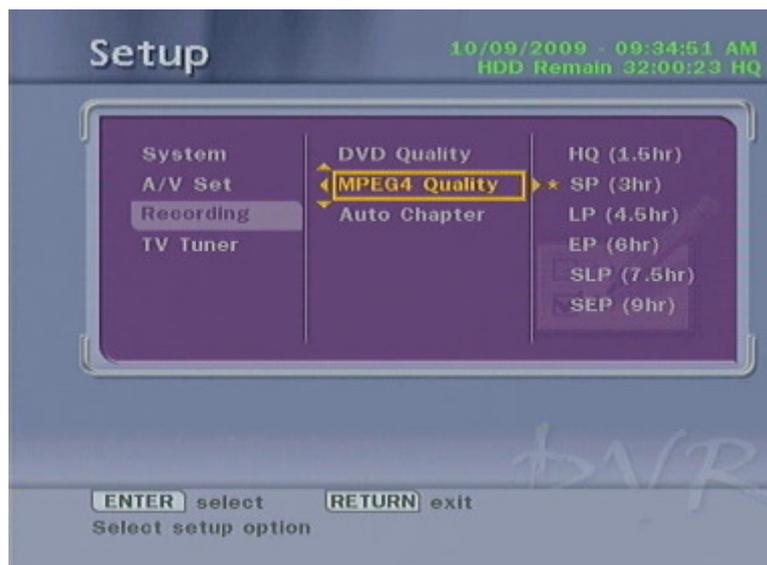
7.5.3.1 DVD Quality

Select to the DVD Quality, you will able to see the below picture. Press the **UP/DOWN** button to select from HQ, SP, LP, EP, SLP, SEP. Press the **OK** button to confirm.



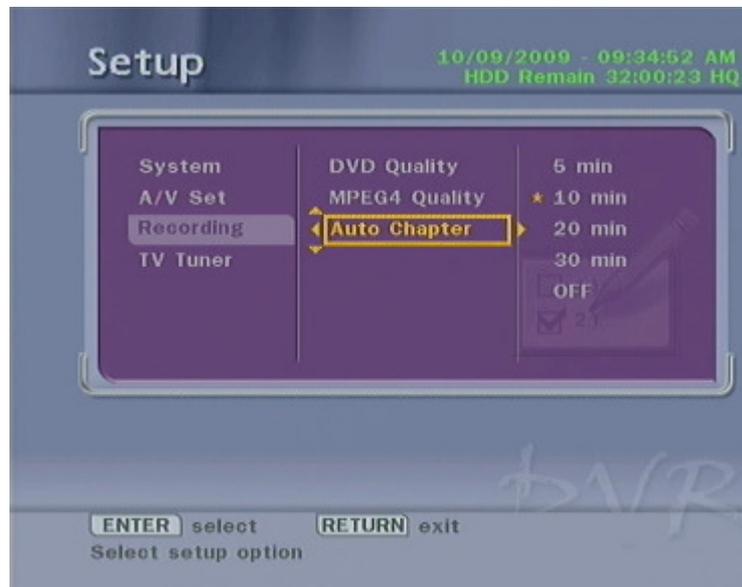
7.5.3.2 MPEG4 Quality

Select to the MPEG4 Quality, you will able to see the below picture. Press the **UP/DOWN** button to select from HQ, SP, LP, EP, SLP, SEP. Then, Press the **OK** button to confirm.



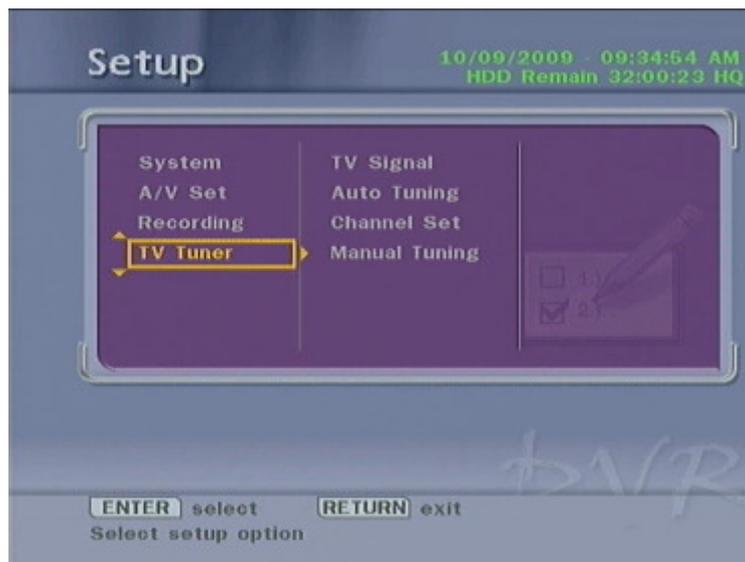
7.5.3.3 Auto Chapter

Select to the Auto Chapter, you will able to see the below picture. Press the **UP/DOWN** button to select from 5min, 10min, 20min, 30min, OFF. Then, Press the **OK** button to confirm.



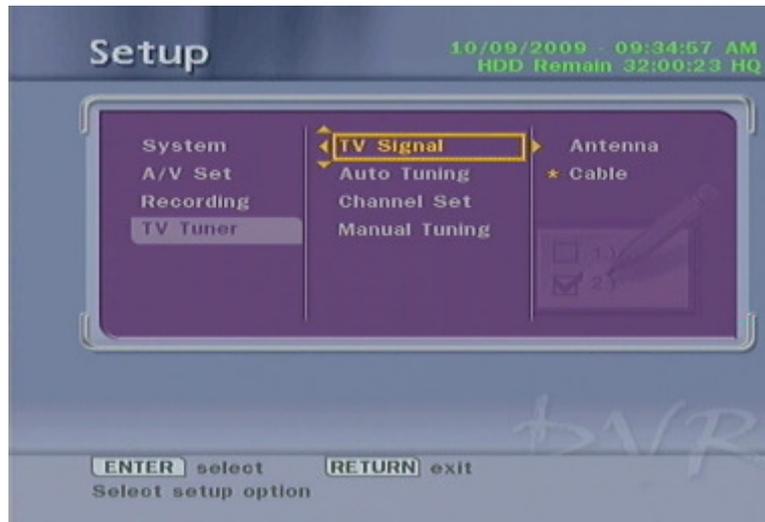
7.5.4 TV Tuner

Select the TV Tuner, you will able to see the picture show as below. Press the **RIGHT** button to set the TV Signal, Auto Tuning, Channel Set and Manual Tuning.



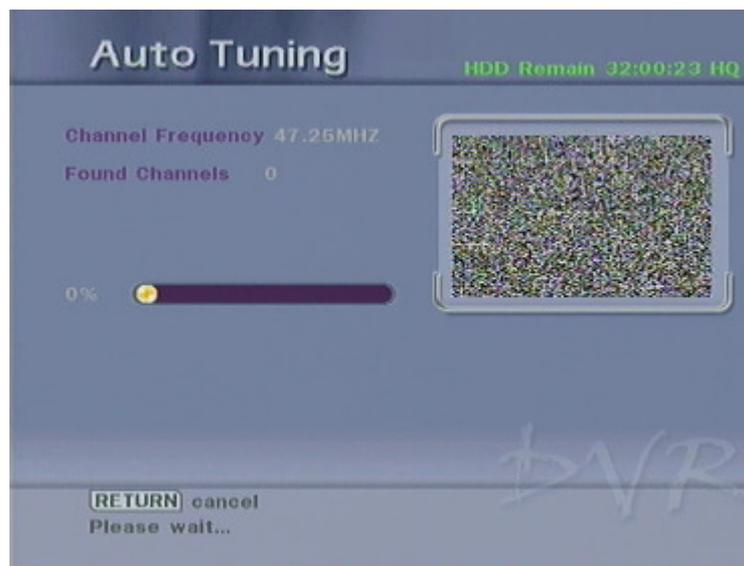
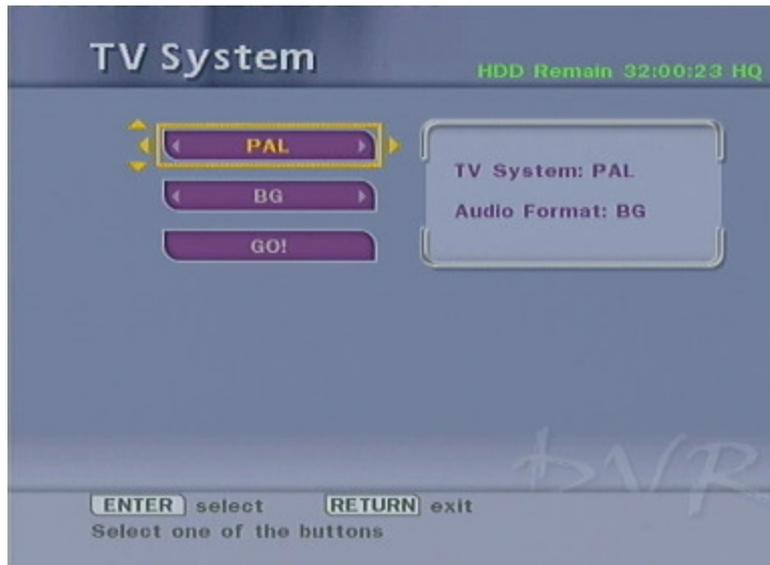
7.5.4.1 TV Signal

Select to the TV Signal , you will able to see the below picture. Press the **UP/DOWN** button to select Antenna or cable. Then, Press the **OK** button to confirm.



7.5.4.2 Auto Tuning

Select to the Auto Tuning, you will able to see the below picture. Press the **UP/DOWN** button to select TV System and Audio Format. Press **LEFT/RIGHT** to set the TV System: PAL, NTSC-NM, SECAM L, SECAM L', and Audio format: BG, DK, I. Then, select to Go! Icon, Press the **OK** button to start Auto Tuning.



Note: Sound mode setting BG/DK/I is not correct will caused no sound with the channel.

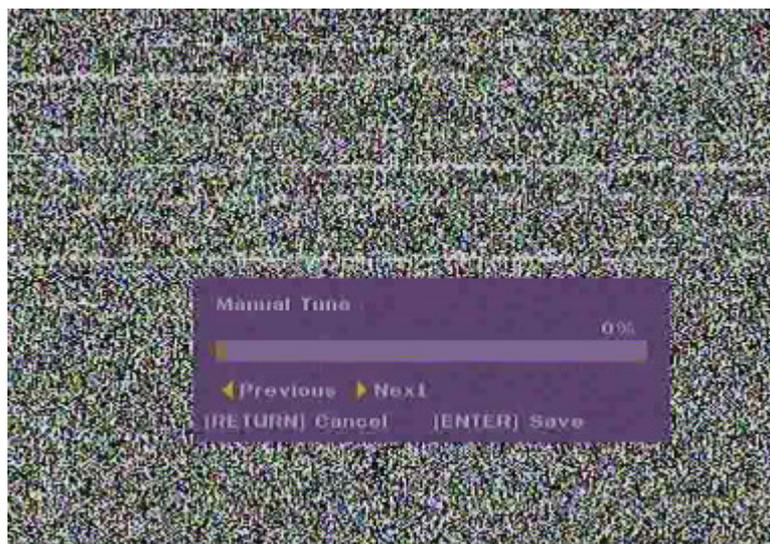
7.5.4.3 Channel Set

Select to the Channel Set, you will able to see the below picture. In this menu, you can edit the Channel Name, Active, Fine Tune, Audio Format, Manual Tune and sequences for the TV Channels. Press the navigational buttons to select and modify the settings and press EXIT button to return and confirm.



7.5.4.4 Manual Tuning

Select to the Manual Tuning, you will able to see the below picture. In Manual Tuning mode, you can use the **LEFT/RIGHT** buttons to search the Frequency. When search the TV program press the **OK** buttons to save it, after that change the channel number and continues to search the other TV Program until captured and save all the programs.



8. Main Functions Description

8.1 Time Shift

Function introduction:

Time Shift functions allow you to pause program, or to rewind or fast forward the program. For example, we use this function to pause the program when you are attending to something else during watching TV program. You can rewind or fast forward it to a particular portion of the TV program after have finished attending to something else.

Operation Procedure in Non Recording Mode:

1. When watching TV program, Press **TIME SHIFT** button, a progress bar prompted and caused the program to be pause. See picture as below:



2. Press **PLAY/PAUSED** button to play the program; Press **FORWARD** button to fast forward to the present TV program contents; or press **BACKWARD** button to rewind to the beginning of the program when you start time shifting.



3. Press **STOP** button key to stop time shifting function.

Operation Procedure in Recording Mode:

1. When in timer recording mode (Recording format is set to +VR mode), Press **TIME SHIFT** button to playback your program from start point while in recording.
You also can press the **FF** button on the remote control to fast forward the

advertisement. See below picture for TIME SHIFT active mode.



2. Press **STOP** button to stop the time shift function and recording will still in continue till end of the time set.

Notes:

1. This function is only available when Hard Disk Drive (HDD) was installed.
2. System will not enter into Time Shift mode when recording format is not being set to +VR video format.
3. During recording, System will enter into Time Shift mode after 10 seconds of recording.
4. In non-recording condition, Press **Time Shift** button to enter time shift mode immediately.

8.2 Folder Visiting

Function introduction:

Folder management method was introduced to properly managed files and document.

You can only view files from their respective folder.

Operation Procedure:

1. From the Browser menu, enter into document folder. Press the **Up/Down/Left/Right** Button on the remote control to select the address bar and press enter into document. Press **OK** Button to get the menu.

Examples enter into **VIIDEO** document Folder show as below:



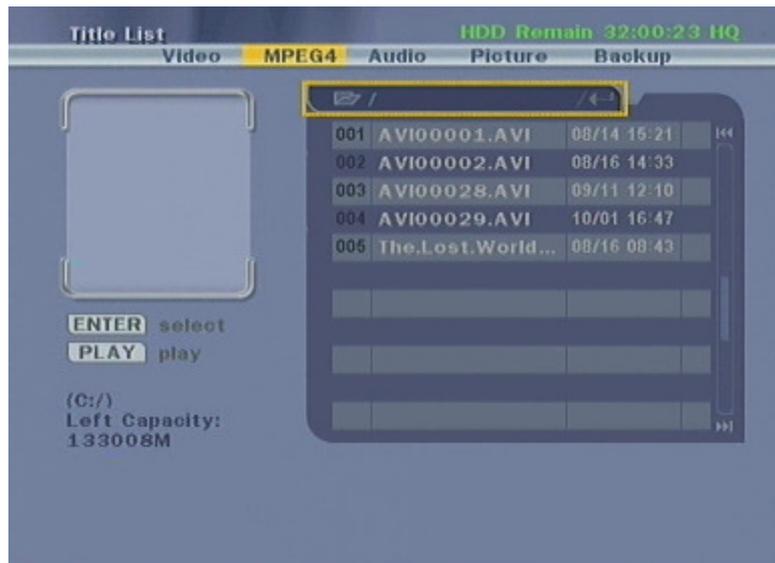
2. Use direction keys to select folder and press **OK** Button to access.

Example enter to 019~024 Folder.

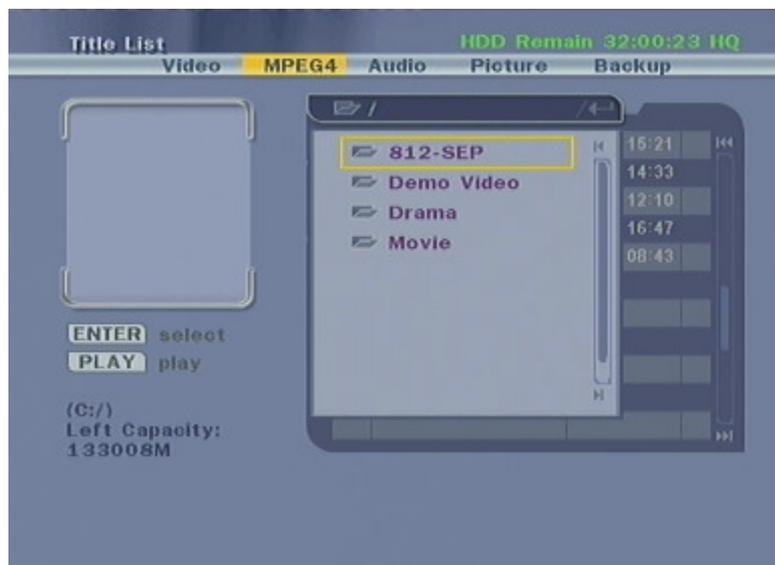


3. Example enters into MPEG4/ AUDIO/ PICTURE Folder.

Press the **Up/Down/Left/Right** Button on the remote control to select the address bar.



4. Press **OK** Button to get the folder in the address bar. See picture show as below.



Note: For USB MPEG4 record file format saved under the **RECORDED** folder.

8.3 Video File Edit Operation

Select a Video file and then press **EDIT/CLEAR** button on remote control to enter the edit

mode. The edit operations have two options:

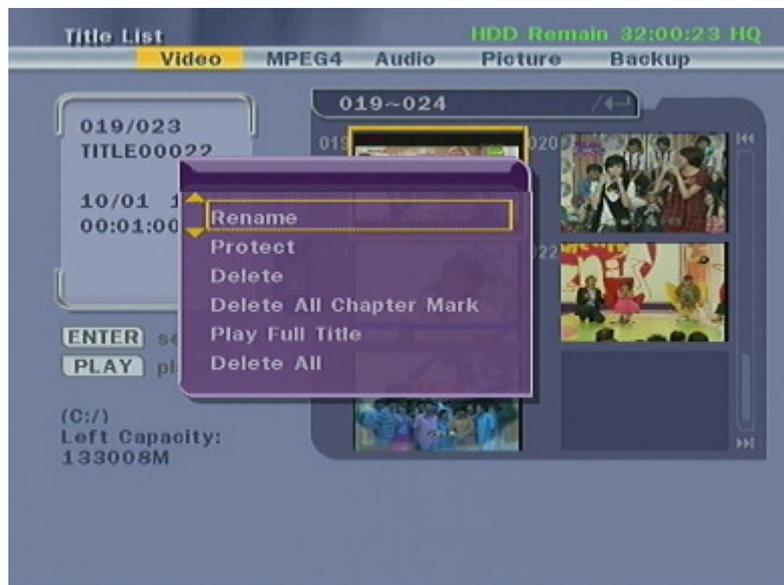
8.3.1-Program edits operation

8.3.2-Chapter edits operation

8.3.1 Program Edit Operation

Select **Browser** in the MENU list will enter into the HDD mode by default. Use **UP/ DOWN/ LEFT/ RIGHT** button on the remote control to scroll and select and highlighted the particular file. Press the **EDIT** button on remote control on that particular highlighted file to select a list of option for editing the file. See Picture show as below.

- a- Rename
- b- Protect
- c- Delete
- d- Delete All Chapter Mark
- e- Play Full Title
- f- Delete All



8.3.1.1 Rename

1. Press the **UP/DOWN** button on the remote control to select Rename from the option list.

Press **OK** button on remote control to confirm. You will able to see the below menu.

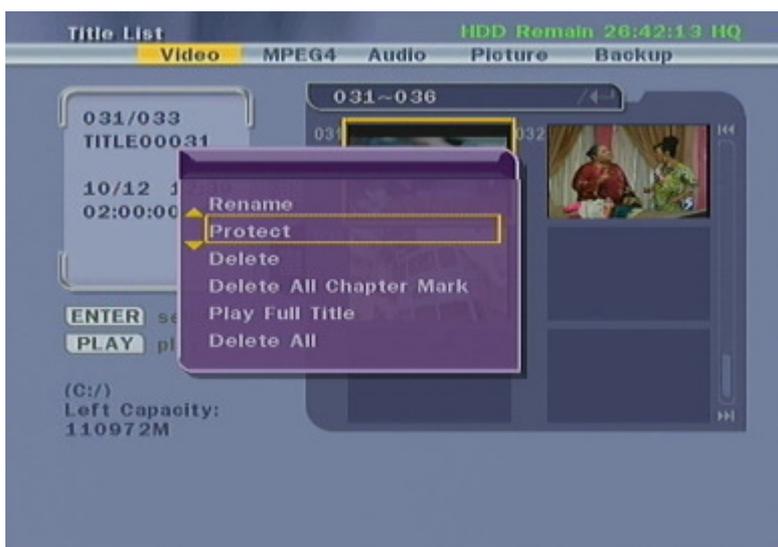


2. Press the **UP/ DOWN/ LEFT/ RIGHT** button on the remote control and Press **OK** button to input the new program name.
3. Press **OK** button on the remote to confirm. The new program name will be displayed on top-right corner of this program list.

8.3.1.2 Protect / Unprotect of Program

a) Protect Program

The function of the “Protect” is to prevent user from accidentally delete away the recorded program. You also can able to delete the protected program by unprotect it.



1. Press **UP/DOWN** button on the remote control to choose “Protect” in program edit menu.

2. Presses **OK** button on the remote to confirm.
3. Lock logo will be displayed on the protected program file.

Notes: The protected file will not be able to delete or editable.

b) Relieve Protect

- 1) Press **UP/DOWN** button on the remote control to select the program which will relieve protection.
- 2) Presses **EDIT/CLEAR** button to appear the program edit menu.
- 3) Choose “Unprotect” in program edit menu.
- 4) The lock logo on the program file will remove, to indicate that file is unprotected.

8.3.1.3 Delete

This function will delete the selected program. The file will not be able recovery once it is deleted. Press **UP/DOWN** button on the remote control to choose “Delete” in program edit menu. Press **OK** button to delete the program.

Note: Protected program unable to delete.

8.3.1.4 Delete All Chapters Marks

This function is for deleting the program chapter mark in one time.

Press **UP/DOWN** button on the remote control to “Delete All Chapters Marks” in program edit menu. Press **OK** button to confirm. After the confirmation, all chapter marks in that program will delete.

8.3.1.5 Play Full Title

This function is allow playback full title of video after we using the CM Cut on the program.

Press **UP/DOWN** button on the remote control to select “Play Full Title” in program edit menu.

8.3.1.6 Delete All

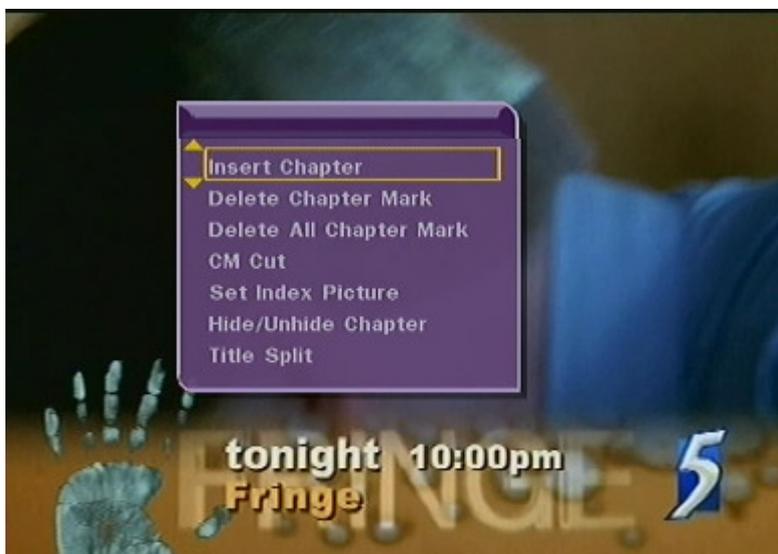
This function is for one time deleting all the programs in the program list.

Press **UP/DOWN** button on the remote control to select “Delete All” in program edit menu. Presses **OK** button on the remote to confirm.

8.3.2 Chapter Edit Operation

Chapter edit menu appears when press **EDIT/CLEAR** button on the remote control during playing a video program. You also can pause the video program then press the **EDIT/CLEAR** button on the remote control to appear the below screen.

- a. Insert Chapter
- b. Delete Chapter Mark
- c. Delete All chapter Mark
- d. CM Cut
- e. Set Index Picture
- f. Hide/ Unhide Picture
- g. Title Split



8.3.2.1 Insert Chapter

The purpose of insert chapter mark is allowing user to book mark the content. Chapter mark can be inserted at any position of program during playing. Chapter mark can help to search the desired program faster and easier.

1. Move the cursor to “Insert Chapter”.
2. Press **OK** button to confirm at the position that you want to make a mark.
3. Press “Insert Chapter” to insert chapter mark during video playing.

8.3.2.2 Delete Chapter Mark

Chapter Mark also can be deleted during program playing.

1. Move the cursor to “Delete Chapter”.
2. Press **OK** button to confirm. The corresponded chapter mark for present program will be deleted.

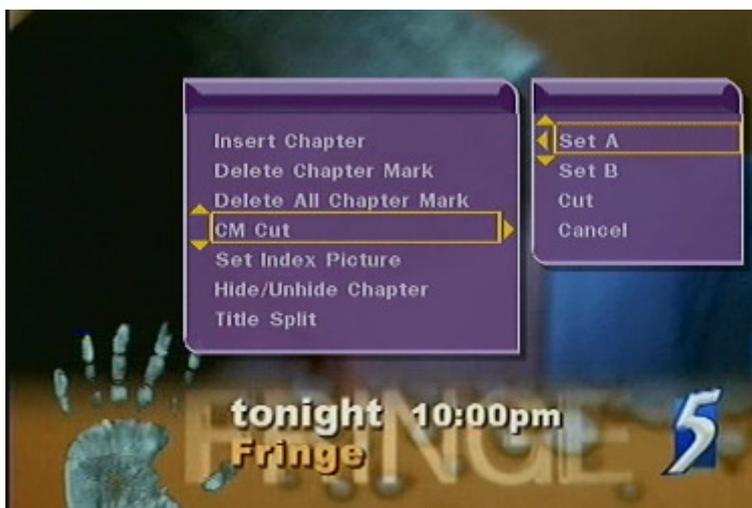
8.3.2.3 Delete All Chapters Mark

1. Move the cursor to “Delete All Chapter”
2. All the Chapter marks of this program are deleted when press **OK** button.

8.3.2.4 CM Cut (Cut off Partial Contents of Program)

Partial contents of program can be cut off (Hidden) during playing.

1. Pause the program you want start to cut.
2. Press the **EDIT/CLEAR** button to appear the function
3. Move the cursor to “CM cut”
4. Selects “Set A” and press **OK** button to confirm as a start point.
5. Then Press the **Exit** Button to exit the function.
6. Continue playing your video until the part you want to cut.
7. Then Pause again to your program, Press the **EDIT/CLEAR** button to appear the Function again.
8. Move the cursor to “CM cut”.
9. Selects “Set B” and press **OK** button to confirm as a end point.
10. Then Select “OK” to start cut the A point to B point.



Note: No operation when press “Cancel”.

8.3.2.5 Set Index Picture

Random picture can be set as index picture, which will present the program in index list.

1. Move the cursor to “Set Index Picture”.

2. Press OK button to set the suitable picture as index picture.

Note: Index picture is changeable.

8.3.2.6 Hide Chapter

The purpose of hide chapter is to hide the file, so that it will skip playing this file.

This file will still appear in the listing.

1. Move the cursor to [Hide Chapter].
2. Press OK button to confirm.

8.3.2.7 Unhide Chapter

To unhide chapter, you can select this file from the listing and select play all follow by edit button and then choose unhide chapter option and press OK button to confirm.

8.3.2.8 Title Split

The purpose of Title Split is split the file into two file.

1. Move the cursor to "Title Split"
2. Press **OK** button to confirm, the title splits into two separate titles based on this time point.

8.4 One Key Backup

Function Introduction: Backup all contents from USB to HDD through a button.

Operation steps:

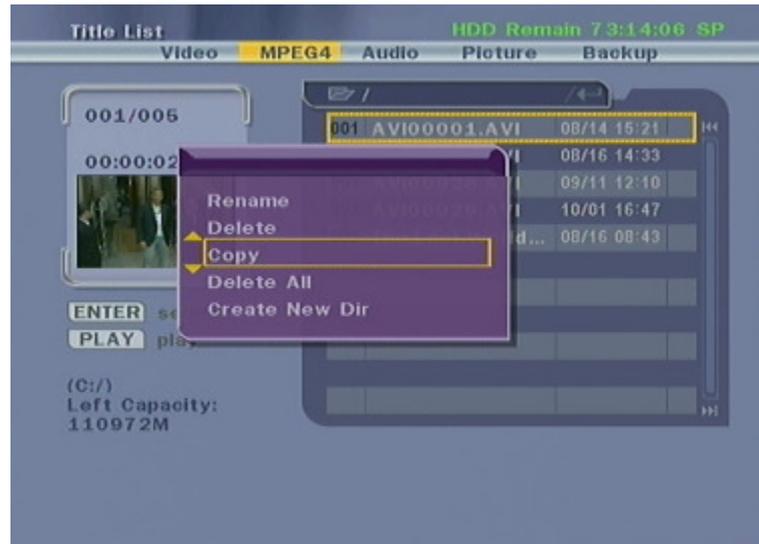
In TV, AV1, YUV mode, press **Backup** button to prompt "Backup USB Device Data" menu. Press **OK** button to start copy the file from USB to HDD.

8.5 Copy File and Folder (For Movie, Music & Picture Only)

Copy program:

Please note that there is a difference in the edit menu between video folder and rest of the folder. (Allow for Movie, Music, and Picture folder only)

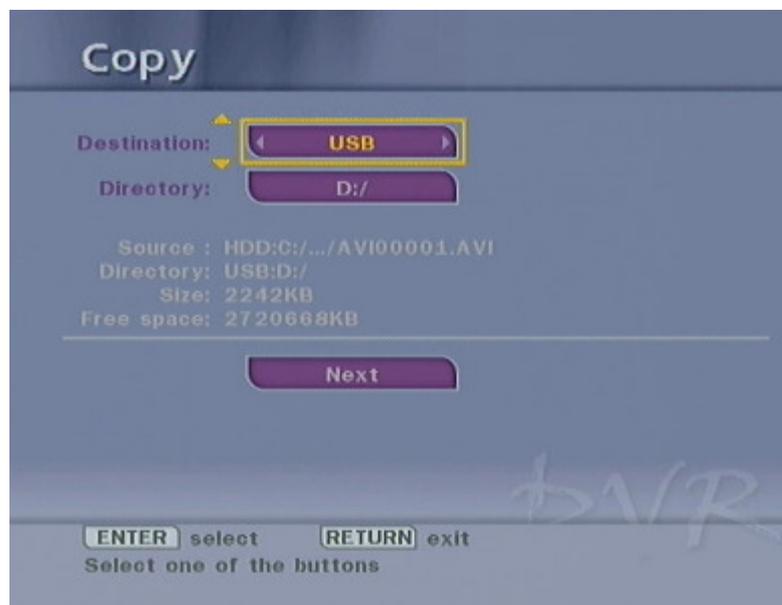
Mean you can direct copy out the AVI movie file from DVR HDD to USB device or transfer from external hard drive device to internal HDD device.



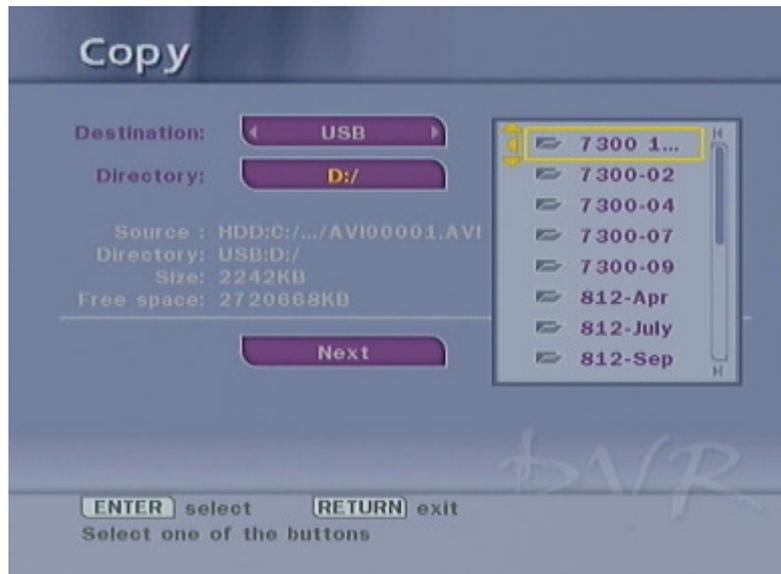
1. In this mode “Rename”, “Delete”& “Delete All” functions are same function as Video folder.

Copy Operation :

1. Select to the file that you want to transfer to USB device.
2. Press the **EDIT/CLEAR** button to appear the copy function.
3. Use **UP/DOWN** button to select the “Copy”.
4. Press **OK** button to confirm. A menu was prompt as shown below.



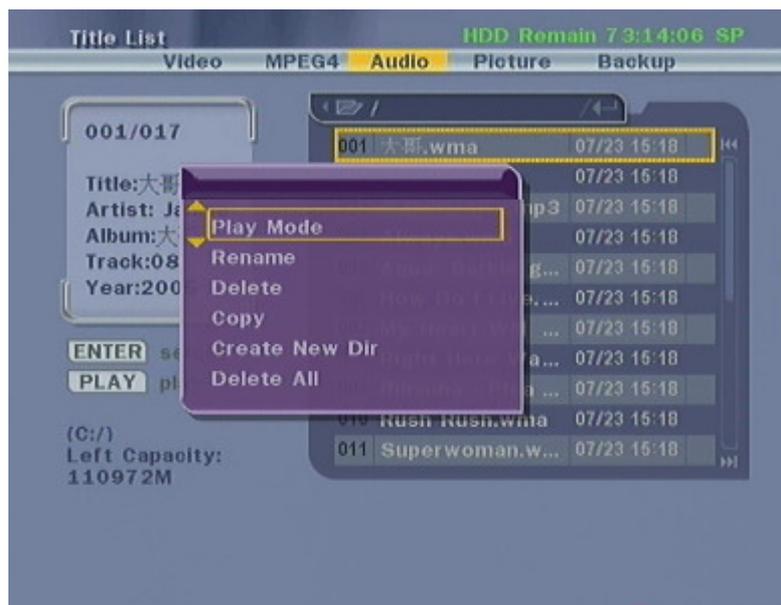
5. Use **UP/DOWN** button to choose the directory copy file to location.



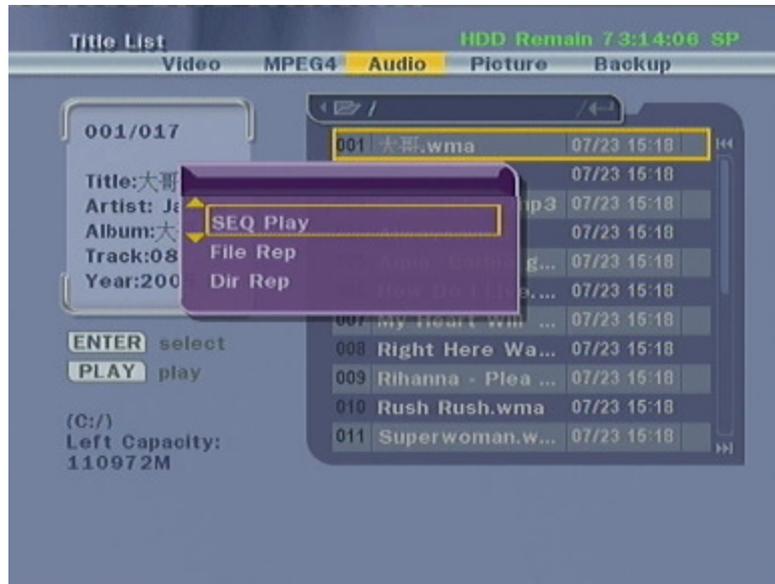
After selected the folder save to, Select to “Next” and press **OK** button to copy which will be closed once copy completed.

8.6 File Playing Mode (AUDIO & PICTURE only)

Select to AUDIO or Picture folder. Press **DOWN** button to select the audio file. Press the **EDIT/CLEAR** button to appear below picture.



Press **DOWN** button to select "Play Mode". See picture show as below.



SEQ Play means file playing from top to bottom.

File Rep means repeat playing on same file.

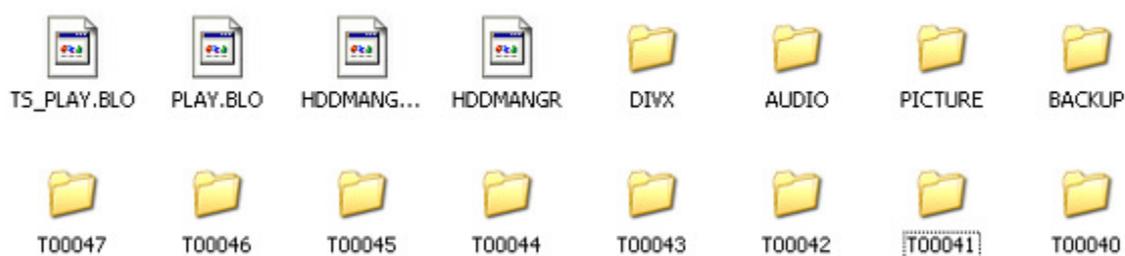
Dir Rep means repeat playing on folder files.

8.7 Removable HDD

Function introduction: Used as a removable HDD.

Operation steps:

1. Set the DVR on standby mode.
2. By connected to DVR's USB slave connector to the computer USB port, computer will auto detect and access the DVR as a removable HDD.
3. After open the HDD device you will able to see the files & folder as below.



DIVX Folder - All MPEG4 AVI recording file save into this folder.

- All the video contents file such vob, mpg, dat & avi , you can copy into this folder for playback.

AUDIO Folder –Copy your mp3 & WMA music file into this folder for playing.

PICTURE Folder- Copy your Photo file such jpeg, bmp and gif into this folder for viewing

Backup Folder – All the USB backup files will save into this folder.

T000xx Folder – All MPEG2 recording file save into those folder.

Note: Don't rename on this folder, otherwise DVR will can't find on that rename folder.

9. Common Trouble Shooting

Please do the following checkup, before seeking the professional assistant.

1. Power Red LED no turn on.

Reason: DC Power plug not plug in properly or the power is not switch on.

Actions: Plug in the power properly or switch on the power.

2. Power turn on already, but there is no starting video picture logo.

Reason: Wrong connection of Output Video cable

Action: Reconnect the video cable according to the connection diagram show in this menu.

Refer to Installation Guide.

3. Component Output No Audio

Reasons: May you not connect Audio out cable (L&R)

Actions: Ensure connect your audio out (L&R) to TV

4. System time can't set to the time

Reason: Battery flat.

Action: Replace battery on PCB.

5. Remote control malfunction

Reasons: 1. Battery of remote control flat. 2. System is under recording.

Actions: 1. Change a new battery 2. Stop recording

6. HDD can't detect

Reasons: 1. HDD faulty 2. HDD power cable connection not properly

Actions: 1. Ensure that HDD is not faulty. 2. Ensure HDD connection properly.

7. TV program No Sound

Reason: Wrong sound mode setting during auto tuning

Action: Ensure select correct sound before do the auto tuning

8. Touch Panel not working properly

Reason: Wrong sound mode setting during auto tuning

Action: Ensure Switch board pasted on panel without gap.

9. PC can't access DVR as a removable HDD

Reason: 1. Inside wrong USB connector 2. Use the USB 1.1 cable to access.

Action: 1. Ensure connects to USB slave connector 2. Ensure use USB 2.0 wire.

10. Power on DVR Hang on Boot up screen.

Reason: It might be HDD faulty.

Action: Disconnect the HDD cable and power on try again.

10. Frequently Customer Asked Questions

Q1: Can I copy the video file directly from DVR internal HDD to my external storage device?

A1: Yes. You can copy the MPEG4 (AVI) record file from internal HDD directly to your external hard drive via USB host. But for VOB file can't directly copy to your external storage device. You must connect the DVR to PC to copy the VOB format video file.

Q2: While in the timer recording mode, Can I paused the recording program? Do it still will automatic turn off after record?

A2: Yes. It also will auto power off after completed the schedule record.

Q3: Does this DVR recognize the external hard drive with format NTFS file system?

A3: No. It only support FAT32 format.

Q4: How do I format my 500GB portable hard disk drive to FAT32 format in one partition?

A4: For window2000/XP/Vista maximum size format FAT32 only up 32GB in one partition. For Mac book can one time format your 500GB portable hard disk to FAT32 format or you can visit below website to download the software to format your hard disk drive to FAT32 format in partition.

<http://tokiwa.gee.jp/EN/Fat32Formatter>

Q5: Why my DVR VGA out connected to my PC monitor no signal?

A5: You have to set the video output to **PC-VGA** first before connect to PC monitor.

Because video output default setting was **Ycbcr**.

Please refer to **Setup>AV Set>Video Output** to change the setting.

Q6: Do we need to install the firmware into the hard disk after change a new internal hard disk drive for recording?

A6: No. You just installed your new hard drive into DVR then power on 2 times, DVR itself will automatically format new hard disk drive into FAT32 format.

Q7: What will happen if DVR power off for long period, will there any changes in the timer setting and schedule recording?

A7: If power off for a long time, DVR system time also will work as per normal because internal bulid-in battery. But for timer recording, You may boot up DVR one time then switch to standby mode after long period power off.

Q8: Does this DVR can firmware upgrade? How do I get the latest firmware?

A8: Yes. Firmware can be download it from website <http://www.fudio-digital.com> or send from service centre via e-mail.

11. Product Specification

Chipset:	•SUNPLUS SPHE7300ARM																																			
TV Tuner:	•Analog Tuner : PAL , BG, DK, I , NTSC-MN																																			
TV Type :	•PAL / NTSC / Automatically																																			
A/V Output:	<ul style="list-style-type: none"> •Composite Video •Composite Audio (L+R) •Component Video (YPbPr) •VGA Monitor 																																			
A/V Input:	<ul style="list-style-type: none"> •Analog TV Tuner (PAL & NTSC-MN) •Composite Video •Composite Audio (L+R) •Component Video (YCbCr) 																																			
Storage Supported:	<ul style="list-style-type: none"> •Built-in 3.5 Serial ATA (SATA /SATA2) Hard Disk Drive up to 1TB •Built-in 3.5 Parallel ATA (IDE) Hard Disk Drive (Optional) •USB 2.0 Host x 1 (For USB storage devices) •USB 2.0 Slave x 1 (For PC Connection) 																																			
File System Supported:	•FAT32																																			
Recording Device Supported:	<ul style="list-style-type: none"> • Built-in HDD • USB Storage Device 																																			
Recording Supported:	<ul style="list-style-type: none"> • Analog TV Tuner (TV) <ul style="list-style-type: none"> - Instant & Timer Recording • Composite-In (AV1) <ul style="list-style-type: none"> - Instant & Timer Recording • Component-In (YUV) <ul style="list-style-type: none"> - Instant & Timer Recording 																																			
Recording Video Format:	<ul style="list-style-type: none"> • MPEG-2_VOB (DVD Format) <ul style="list-style-type: none"> - Multi Recording Mode: HQ / SP / LP / EP / SLP / SEP - Video Dimension : 720 x 576 @ PAL / 720 x 480 @ NTSC - Audio: MP2_2ch • MPEG-4_AVI <ul style="list-style-type: none"> - Multi Recording Mode: HQ / SP / LP / EP / SLP / SEP - Video Dimension : 720 x 576 @ PAL / 720 x 480 @ NTSC - Audio: MP2_2ch 																																			
Recording Mode Vs Storage Size Required Vs Dimension: MPEG2@VOB	<table border="1"> <thead> <tr> <th>Mode</th> <th>4GB Approx.</th> <th>Bit Rate & Dimension</th> <th>500GB</th> <th>1TB</th> </tr> </thead> <tbody> <tr> <td>HQ</td> <td>1.0hrs</td> <td>9.24Mbps@720x576</td> <td>120 hrs</td> <td>250 hrs</td> </tr> <tr> <td>SP</td> <td>2.0hrs</td> <td>4.95Mbps@720x576</td> <td>250 hrs</td> <td>500 hrs</td> </tr> <tr> <td>LP</td> <td>2.5hrs</td> <td>3.30Mbps@720x576</td> <td>310 hrs</td> <td>620 hrs</td> </tr> <tr> <td>EP</td> <td>3.5hrs</td> <td>2.50Mbps@352x576</td> <td>430 hrs</td> <td>870 hrs</td> </tr> <tr> <td>SLP</td> <td>4.5 hrs</td> <td>1.98Mbps@352x288</td> <td>560 hrs</td> <td>1120 hrs</td> </tr> <tr> <td>SEP</td> <td>5.5 hrs</td> <td>1.66Mbps@352x288</td> <td>680 hrs</td> <td>1370 hrs</td> </tr> </tbody> </table>	Mode	4GB Approx.	Bit Rate & Dimension	500GB	1TB	HQ	1.0hrs	9.24Mbps@720x576	120 hrs	250 hrs	SP	2.0hrs	4.95Mbps@720x576	250 hrs	500 hrs	LP	2.5hrs	3.30Mbps@720x576	310 hrs	620 hrs	EP	3.5hrs	2.50Mbps@352x576	430 hrs	870 hrs	SLP	4.5 hrs	1.98Mbps@352x288	560 hrs	1120 hrs	SEP	5.5 hrs	1.66Mbps@352x288	680 hrs	1370 hrs
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SEP	5.5 hrs	1.66Mbps@352x288	680 hrs	1370 hrs																																

FUDIO DIGITAL DVR

MPEG4@AVI	Mode	2GB Approx.	Bit Rate & Dimension	500GB	1TB
	HQ	1.0hrs	6.74Mbps@720x576	160 hrs	330 hrs
	SP	2.0hrs	3.37Mbps@720x576	330 hrs	660 hrs
	LP	2.5hrs	2.24Mbps@720x576	500 hrs	1000 hrs
	EP	3.5hrs	1.68Mbps@352x288	580 hrs	1160 hrs
	SLP	4.5 hrs	1.34Mbps@352x288	750 hrs	1500 hrs
	SEP	5.5 hrs	1.13Mbps@352x288	910 hrs	1800 hrs
Video Output Resolution:	<ul style="list-style-type: none"> • PAL / NTSC / 480p / 576i / 576p 				
Video Formats Supported:	<ul style="list-style-type: none"> • AVI / MPG / MPEG / DAT / VOB 				
Music Formats Supported:	<ul style="list-style-type: none"> • MP3 / WMA 				
Picture Formats Supported:	<ul style="list-style-type: none"> • JPEG / BMP / GIF 				
Video Codes Supported:	<ul style="list-style-type: none"> • MPEG-1 / MPEG-2 / MPEG-4 / Xvid / DivX 				
Power Supply:	<ul style="list-style-type: none"> • DC 12V @ 2A & 5V @ 2A Power Adaptor 				
Front Panel:	<ul style="list-style-type: none"> • Touch Sense Button 				
Warranty:	<ul style="list-style-type: none"> • 1 Year 				
Made In:	<ul style="list-style-type: none"> • Singapore 				