CHD-PVR1 CHD-PVR80G High Definition Video Recorder

Operation Manual

CHD-PVR1/80G

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Preface
This user manual teaches you about the High Definition Video Recorder and how to make full use of its features. Information contained in this manual has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice.

Safety information
Do not disassemble this unit. Touching the product's internal parts could result in injury. In the event of a malfunction or if the unit is accidentally broken open, take the product to an authorized service center for inspection.

1. Introduction
High Definition Video Recorder is the most valuable add-on to any home theater settings. This is great replacement to traditional VCR or even DVD-RW recorders, with their compact size and superior support to variable mobile devices. This product can perfectly serve as the data center of all incoming multimedia. You won't miss any favorite clip as you can record it as H.264 MPEG 4 format into Secure Digital Card (SD Card) instant.
The other High Definition Video Recorder can build in 2.5" 80G HDD, it can record it into SD/HDD with H.264 MPEG4 format, by simply clicking on the remote controller.

2. Main Features
- Video Recording: H.264 MP/HP (Main Profile/High Profile partial) and stereo sound, optimized resolution for TV up to 1920x1080i@60fields/s.
- Video Playback: H.264 MP/HP with stereo sound. HD DVD quality up to 1920x1080i@60fields/s.
- Audio Recording: AAC+ compression.
- Photo viewer: JPEG (Only accept JPEG files from digital camera).
- Audio pass through.
- Video pass through.
- Recording live HD/SD TV program as VCR and very easy to use.
- Support video format:
   480i/60Hz, 480p/60Hz, 576i/50Hz, 576p/60Hz,
   720p/50Hz, 720p/60Hz,1080i/50Hz,1080i/60Hz
- Remote control for easy indoor usage.

3. Package Contents
1. High Definition Video Recorder main body
2. Remote control with Batteries
3. Power Adaptor
4. User manual
5. Converter software CD

4. Overview of the Remote Control

1 . Power: Switch unit on or off
2 . Mute: Mute or un-mute the audio (only for play mode)
3 . Source: Choose Component/ SV/AV/HDMI1/HDMI2 input source
4 . HDD/SD: Switch between HDD/SD mode
5 . Repeat: Select "off", "one file", "all file" repeat in playback mode
6 . VOL+: Press to increase volume (only for play mode)
7 . Output: Choose HDMI/ Component/AV/SV output
8 . Pause: Pause current process at the first press
9 . Zoom: Zoom 2x ~ 10x
10. Vol -: Press to decrease volume (Only for play mode)
11. Record: Record the AV signal to SD/ HDD device
12. ■: Stop playing the file or Stop record the file
13. I◄◄: Jump to the previous page/file
14. ►►I: Jump to next page/file
15. ◄I: Simultaneous press it to decrease the slow-backward speed: x1/2, x1/4, x1/8, x1/16, x1/32, x1/64
16. I►: Simultaneous press it to decrease the slow-forward speed: x1/2, x1/4, x1/8, x1/16, x1/32, x1/64
17. ◄: Simultaneous press it to increase the fast-backward speed: x2, x4, x8, x16, x32, x64
18. ►: Simultaneous press it to increase the fast-forward speed: x2, x4, x8, x16, x32, x64
19. Return: Return to the previous state
20. Menu: Display or switch off the OSD menu or switch between AV source and SD/HDD device source
21. ▲/▼/◄/►: Move the cursor Up/Down/Left/Right or move the zoom area Up/Down/Left/Right
22. Ok: Confirm the selection
23. Info: Press to display the information
24. Display: Display or switch off the OSD menu or switch between AV source and SD/HDD device source
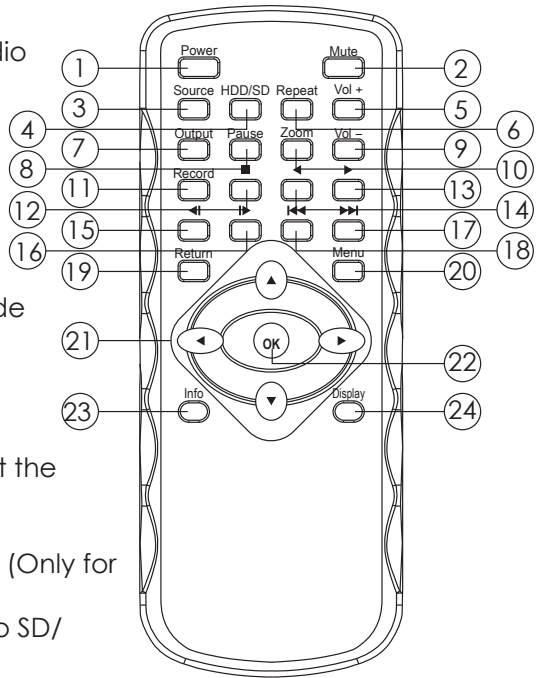
5. *Connections*

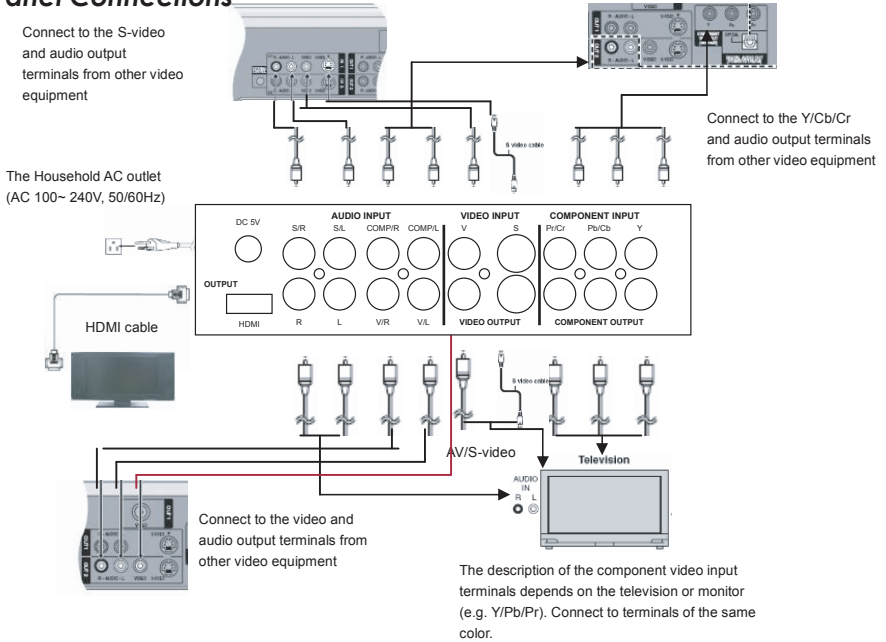Input I/O: Component with Audio R/L   x 1
                S-Video with Audio R/L   x 1
                Video with Audio R/L   x 1
                HDMI   x 2
Output I/O: Component x 1
                S-Video   x 1
                Video   x 1
                HDMI   x 1
                R/L   x 1

Front Panel
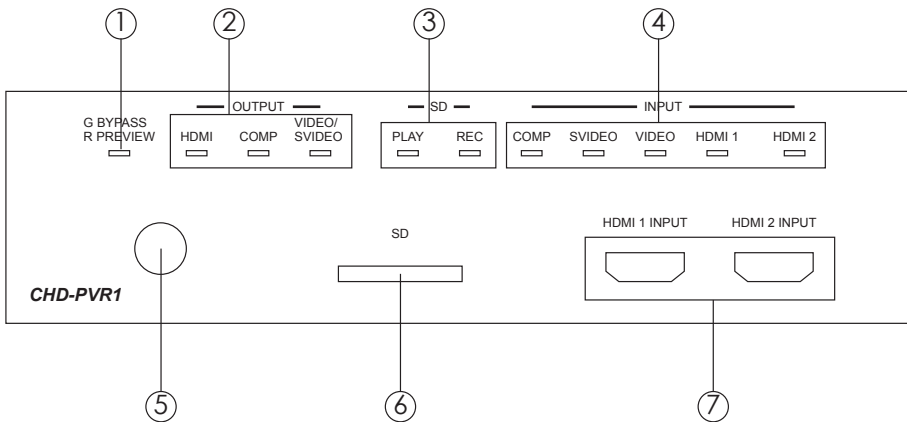
1. Bypass/Preview indicators: When selected Bypass mode the signal will bypass without doing any process and the LED will illuminate in Green light. When selected Preview mode the signal will process before pass out and the LED will illuminate in Red light.
2. Output port indicators: When the output port been selected the LED will illuminate to indicate which outpot source is selected.
3. Play/REC indicators: When play the files from SD card, the LED illuminate in Red color, when play the files from HDD, the LED will illuminate in Blue color (CHD-PVR80G only). When record the files to SD/HDD card, the LED will illuminate in Red color.
4. Input source indicators: When the input source been selected the LED will illuminate to indicate which input source is selected. If video and S-video connected at the same time the Video input is the first priority from the system.
5. IR sensor
6. SD card slot
7. HDMI 1 & 2 input: Connect the HDMI input ports to the HDMI or DVI output of your source equipment such as DVD player or set-top-box.

3

Rear Panel Connections

Connect to the S-video
and audio output
terminals from other video
equipment

Connect to the Y/Cb/Cr
and audio output terminals
from other video equipment

The Household AC outlet
(AC 100~ 240V, 50/60Hz)

HDMI cable

	AUDIO INPUT				VIDEO INPUT		COMPONENT INPUT		
DC 5V	S/R	S/L	COMP/R	COMP/L	V	S	Pr/Cr	Pb/Cb	Y
OUTPUT									
HDMI	R	L	V/R	V/L	VIDEO OUTPUT		COMPONENT OUTPUT		

AV/S-video

Television

AUDIO IN
R L

Connect to the video and
audio output terminals from
other video equipment

The description of the component video input
terminals depends on the television or monitor
(e.g. Y/Pb/Pr). Connect to terminals of the same
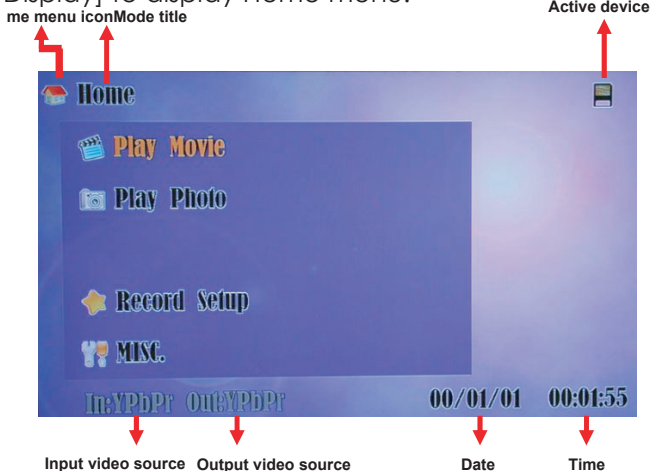color.

6. Using the High Definition Video Recorder

After connecting the unit to the TV and Power on, you are ready to start the product. This chapter describes how to turn on the device and how to control On-Screen Display (OSD) menu to configure the device settings.

7. Turning on power

Turning on the TV and select the appropriate video input and output to suit the connections to this unit.

8. Using the OSD menu

Press [Menu/Display] to display Home menu.

Active device

me menu iconMode title

Home

Play Movie

Play Photo

Record Setup

MISC.

In:YPbPr   Out:YPbPr   00/01/01   00:01:55

Input video source   Output video source   Date   Time

4

8.1 A/V mode
In AV mode, press [Return/Menu/Display] to return to Home menu.
Press [Record] to save the file to SD card/HDD device.
Press [Stop] to stop playing the file or stop record the file

8.2 Menu mode
Press [▲/▼] to select the playing file.
Press [OK] to enter the Play Movie mode and to the thumbnail browser.

8.2.1 Play Movie
Press [▲/▼/◄/►] to select the playing file or previous/next file.
Press [OK] to play the file.
Press [►►] fast-forward the speed.
Press [◄◄] fast-backward the speed.
Press [I►] slow-forward the speed.
Press [◄I] slow-backward the speed.
Press [Stop] to stop playing the file and then press [OK] to play the file from beginning.
Press [Pause/OK] to pause current process, press once to continue playing.
Press [Display] to display or switch off the information menu
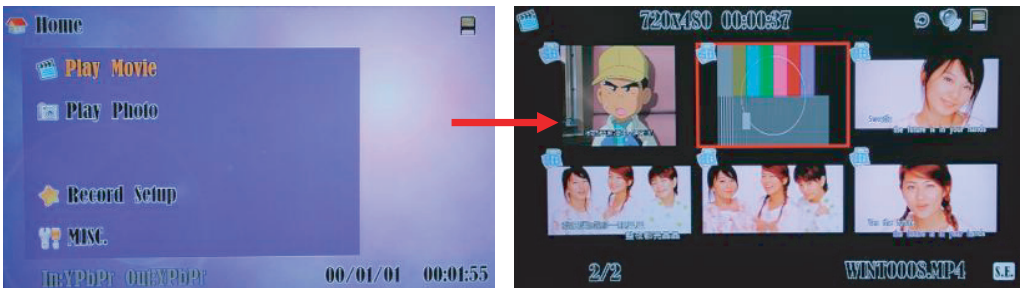
During the playing movie, press [Menu] to go to movie menu selection.
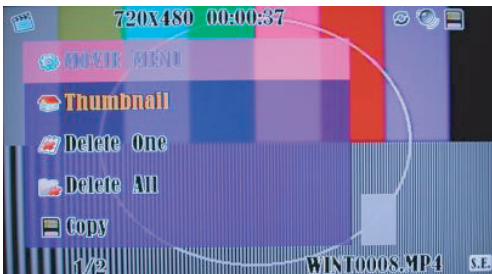
Short cut:
When playing the movie, press [▲/▼] to fast backward/forward for 15minutes interval. If the movie is shorter then 15minutes press [▲/▼] the time search will point to 2 seconds before/beginning the movie files and starts to play the file. Press [Pause/OK] and then press [Record] to snapshoot the file.
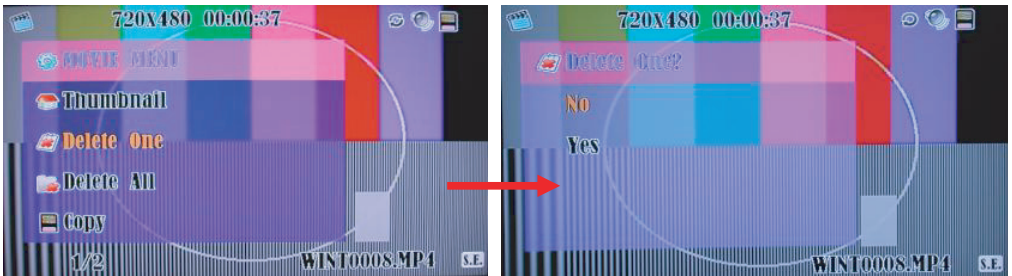
8.2.1.1 Thumbnail
Press [OK] to return to the movie thumbnail.

8.2.1.2 Delete One
Press [▲/▼] to select the selection.
Press [OK] to enter the delete selection, and then select Yes/No to delete the current file.
Press [Return] / [Menu] to return to previous page.

8.2.1.3 Delete All
Press [▲/▼] to select the selection.
Press [OK] to enter the delete selection, and then select Yes/No to delete all the movie files.
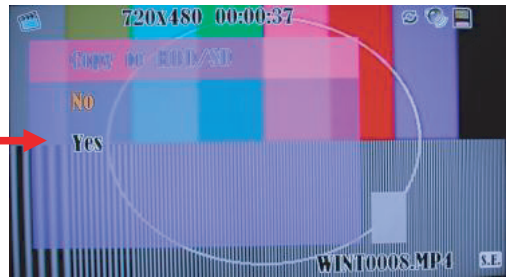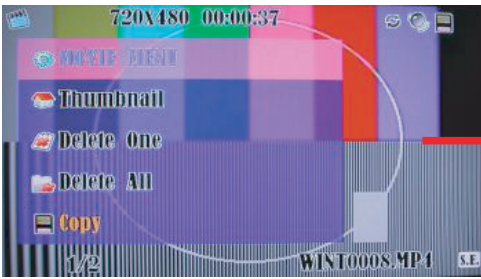Press [Return] / [Menu] to return to the previous page.
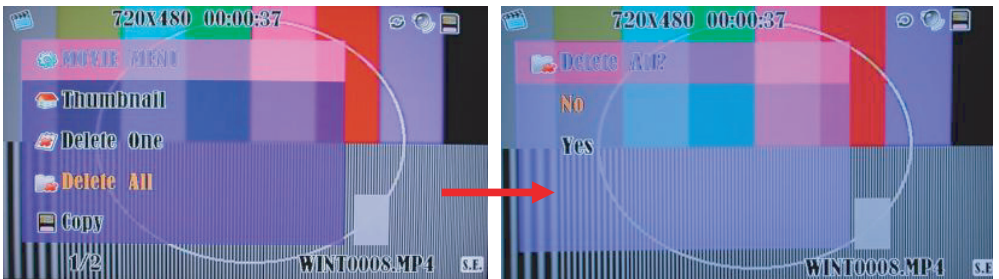
8.2.1.4 Copy (With 80G HDD only)
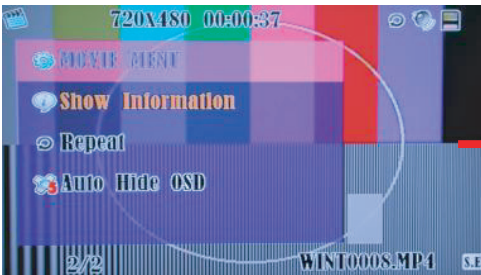Press [▲/▼] to select the selection.
Press [OK] to enter the copy selection, and then select Yes/No to copy the files to HDD/SD device.
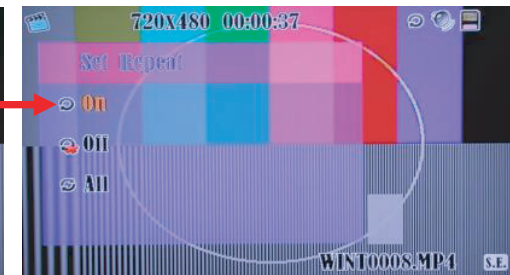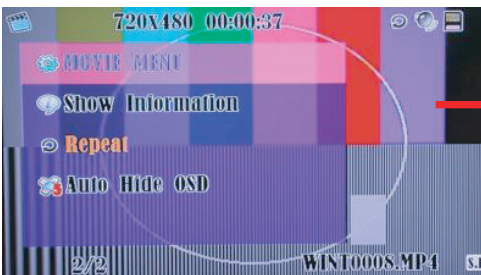Press [Return] / [Menu] to return to the previous page.

8.2.1.5 Show Information

Press [▲/▼] to go to the next page of movie menu or select the selection.
Press [OK] to show the file information.
Press [Return] / [Menu] to return to the previous page.

8.2.1.6 Repeat

Press [▲/▼] to select the selection.
Press [OK] to select "off", "one file", "all file" repeat in playback mode.
Press [Return] / [Menu] to return to the previous page.
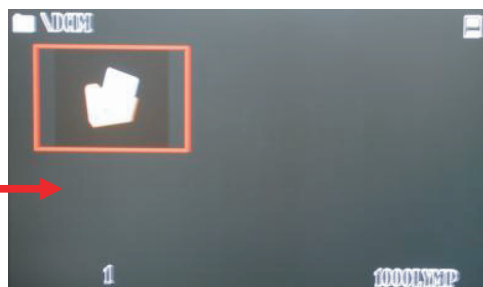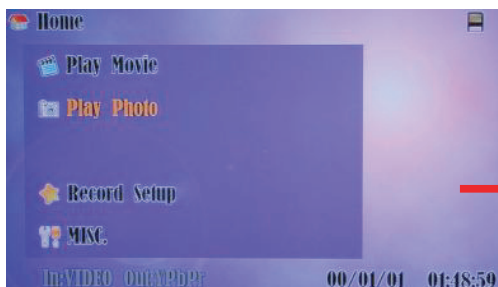

8.2.1.7 Auto Hide OSD

Press [▲/▼] to select the selection.
Press [OK] to select the Auto Hide OSD for off/1/2/3 seconds.
Press [Return] / [Menu] to return to the previous page.
Press [Return] to go to the Home menu.
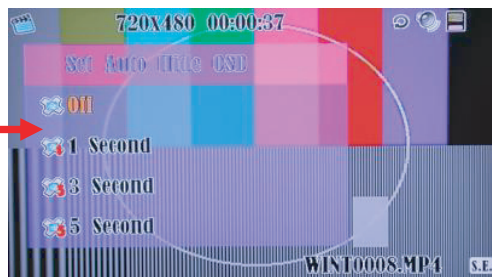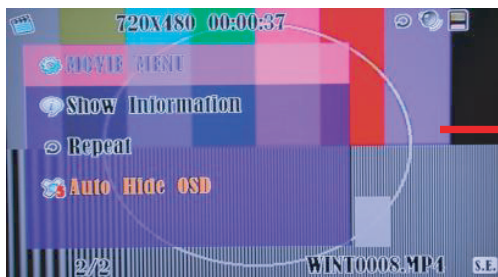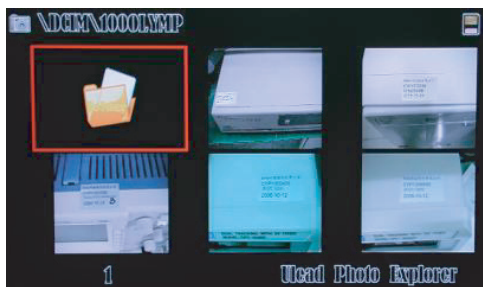
8.2.2 Play Photo

Press [▲/▼] to select the play photo mode.
Press [OK] to enter the play photo mode and to browse the folders.

Press [▲/▼/◀/▶] to choose the folder.
Press [OK] to enter the files and play.

Press [ZOOM] to zoom the photo size from 2 to 10 times.
Press [▲/▼/◀/▶] to move the photo area.
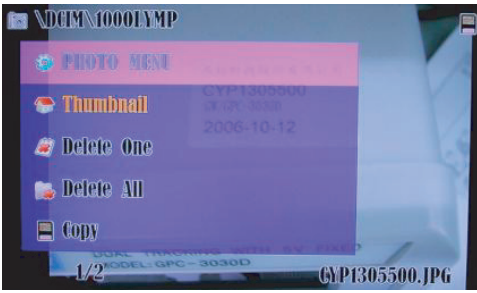Press [OK] to return to the files.
Press [Repeat] to repeat JEPG files "off", "one file" or "all file" in playback mode.
Press [OK] to stop the sequence play and display current photo.

8.2.2.1 Photo Menu

During the playing photo, press [Menu] to go to photo menu selection.
All the operation procedures, please refer to section 8.2.1 movie menu.

8.2.3 Record Setup

Press [▲/▼] to select the Record Setup.
Press [OK] to enter the Record Setup.
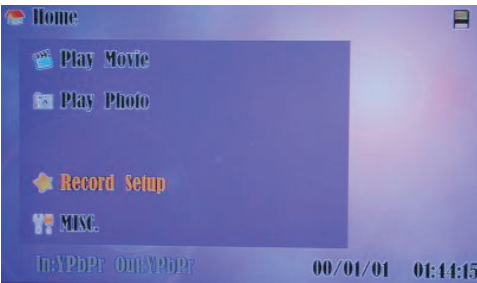
8.2.3.1 Set Quality

Press [OK] to enter the Set Quality.
Press [▲/▼] to select the Record Quality.
Press [Menu/Return] to return to the previous page.
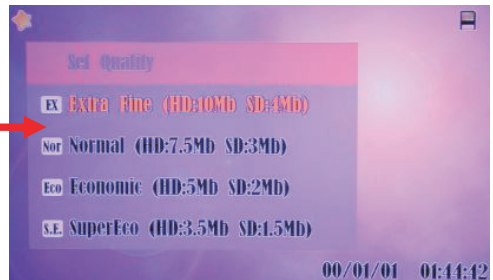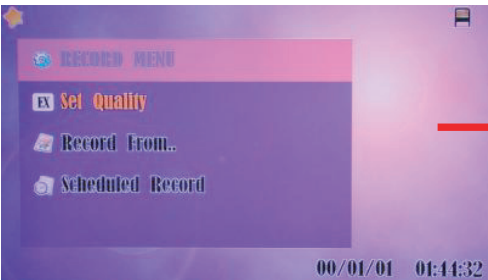
8.2.3.2 Record From

Press [OK] to enter the Record input source.
Press [▲/▼] to select the input source (Component/Video/S-Video/HDMI1/HDMI2).
Press [Menu/Return] to return to the previous page.
Press [OK] to confirm the record input source and return to the Home menu.

[Note] When input source is HDMI 1 (with HDCP encryption), the record files will enforce to save in HDD not SD card.

8.2.3.3 Scheduled Record
Press [OK] to enter the Scheduled Record setup.
Press [▲/▼] to setup the schedule list and user can setup 8 different record schedules.
Press [OK] to start set date/time/length
Press [▲/▼] to adjust the digits.
Press [OK] to return the Schedule List.
Press [Menu/Return] to return to the previous page.

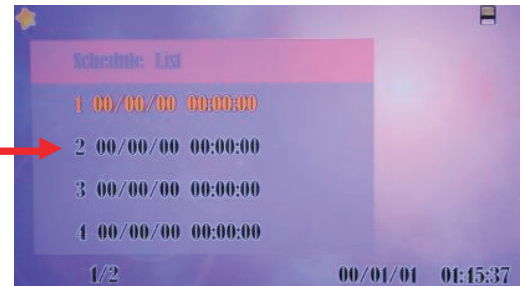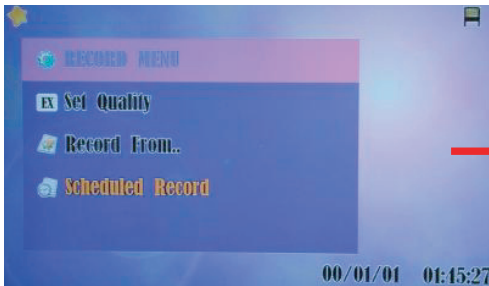Reference for Record Time to 80G HDD:

	80	GB		
Mode	Resolution	Bit Rate (Mbps)	Record Time (Min)	Record Time (Hour)
Extra Fine	HD	10	1,092.3	18.2
Normal	HD	7.5	1,456.4	24.3
Economic	HD	5	2,184.5	36.4
Super Eco	HD	3.5	3,120.8	52.0

	80	GB		
Mode	Resolution	Bit Rate (Mbps)	Record Time (Min)	Record Time (Hour)
Extra Fine	SD	4	2,730.7	45.5
Normal	SD	3	3,640.9	60.7
Economic	SD	2	5,461.3	91.0
Super Eco	SD	1.5	7,281.8	121.4

[Note]:1. When input source is HDMI 1 (with HDCP encryption), the record files will enforce to save in HDD not SD card.
2. After the record, inside SD/HDD will remain 80~100MB for program use.
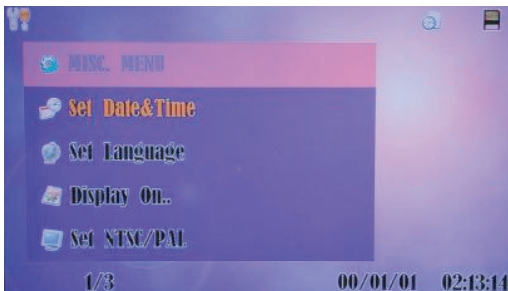
10

8.2.4 MISC
Press [OK] to enter the Miscellaneous Menu.
Press [▲/▼] to select the setup list and there are 10 different lists.

8.2.4.1 Set Date & Time
Press [OK] to Set Date & Time.
Press [▲/▼] to adjust the digits.
Press [OK] to go to the time setup.
Press [OK] to return to the Home menu.

8.2.4.2 Set Language
Press [OK] to set display language.
Press [▲/▼] to select the display language (Chinese/English).
Press [OK] to return to the Home menu.

8.2.4.3 Display On
Press [OK] to set output display.
Press [▲/▼] to select the output display (Component/Video/HDMI).
Press [OK] to return to the Home menu.

8.2.4.4 Set NTSC/PAL
Press [OK] to set NTSC/PAL.
Press [▲/▼] to select the output display system (NTSC/PAL).
Press [OK] to return to the Home menu.

8.2.4.5 Storage
Only function for the product with 80G HDD.
Press [OK] to set storage system.
Press [▲/▼] to select the storage system (SD/HDD).
Press [OK] to return to the Home menu.

8.2.4.6 Format
Press [OK] to enter the format selection.
Press [▲/▼] to select YES/NO to format the storage system.
Press [OK] to return to the Home menu.

8.2.4.7 Show Freespace
Press [OK] to enter free space mode and press [OK] again to show the storage memory space.
Press [OK] to return to the Home menu.

8.2.4.8 Version
Press [OK] to enter software version mode.
Press [OK] to show the software version.
Press [OK] to return to the Home menu.

8.2.4.9 Style
Press [OK] to set background style.
Press [▲/▼] to select the background style (Style 1 and Style 2).
Press [OK] to return to the Home menu.

8.2.4.10 Load Default
Press [OK] to set load default mode.
Press [▲/▼] to choose YES/NO to select it's the system return to the factory mode.
Press [OK] to return to the Home menu.

9. *Appendix*

9.1 Specifications

Input ports: Component with Audio R/L x 1
               S-Video with Audio R/L   x 1
               Video with Audio R/L   x 1
               HDMI   x 2
Output ports: Component   x 1
               S-Video   x 1
               Video   x 1
               HDMI   x 1
               R/L   x 1

Power Supply: High Definition Video Recorder: 5V/3.2A,
               High Definition Video Recorder with 80G HDD: 5V/5A DC
               (US/EU standards, CE/FCC/UL certified)
Remote Control: Discrete IR remote
Dimensions (mm): 176 (W) x 175 (D) x 45 (H)
Weight(g): High Definition Video Recorder: 1306 g;
          High Definition Video Recorder with 80G HDD: 1402g
Chassis Material: Metal with Plastic
Silk Skin Color: White with Black
Operating Temperature: Operating from 0°C ~ 40°C

10. Troubleshooting

Problem	Possible causes	Solutions
Power LED is not illuminated	Power cord is not connected correctly.	Make sure that the power cord is connected correctly.
	Power not available.	There may be a power outage in your area. Make sure that other electronic devices are working correctly.
Power On the LED in blue color	System may be in standby mode.	Use the remote control to turn on the unit.
Remote control is not working	Batteries may be low.	Replace the remote control batteries.
No Picture	A/V connection may be loose.	Check that the A/V cables are connected securely.
	Incorrect TV source is selected.	Make sure that the correct input source is selected. Refer to the TV user manual for more information.
	Incorrect connection to the unit.	Make sure that the correct input sources are correctly to connect to the unit input connectors.
No Volume	Volume too low or muted from the unit or TV.	Increase volume setting for the TV or the unit.
	LR cable may not connect correctly.	Make sure that the correct TV input source. Refer to the TV user manual for more information.
Can't please the Movies on the PC	The product is the H.264 MPEG4 recording engine and need to use the converter software to convert to PC format.	Make sure the package included the converter CD.