

# Video to HDMI Matrix Selector-Recorder 80G ID# 535



## Operation Manual

## Introduction

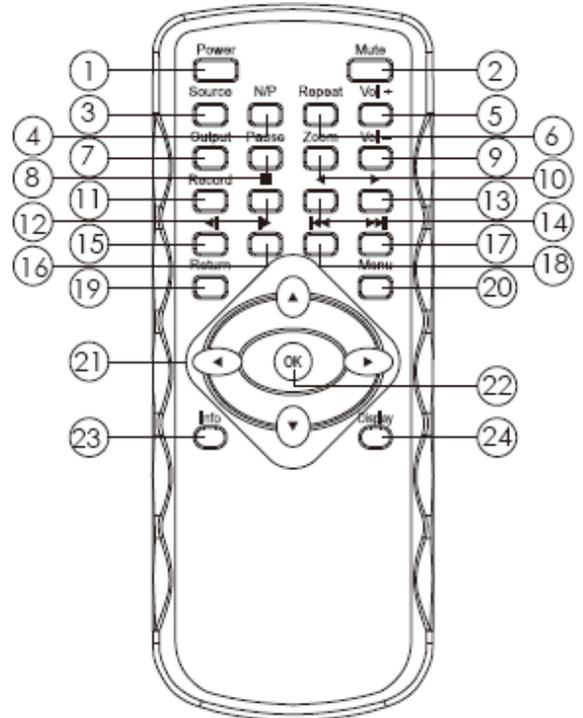
Video to HDMI Matrix Selector-Recorder 80G is the most valuable add-on to any home theater settings. This is great replacement to traditional VCR or even DVDRW recorders, with their compact size and superior support to variable mobile devices. This product can perfectly serve as the data center of all 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.

## 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 (except progressives).
- Audio pass through.
- Video pass through.
- Recording live HD/SD TV program as VCR and very easy to use.
- Remote control for easy indoor usage.

## Remote Control

- 1 . Power: Switch unit on or off
- 2 . Mute: Mute or un-mute the audio
- 3 . Source: Choose Component/  
SV/AV/HDMI1/HDMI2 input  
source
- 4 . N/P: Switch between NTSC/  
PAL video output format  
(CVBS/S-Video)
- 5 . Repeat: Select "off", "one file",  
"all file" repeat in playback mode
- 6 . VOL+: Press to increase volume
- 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
- 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

## 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

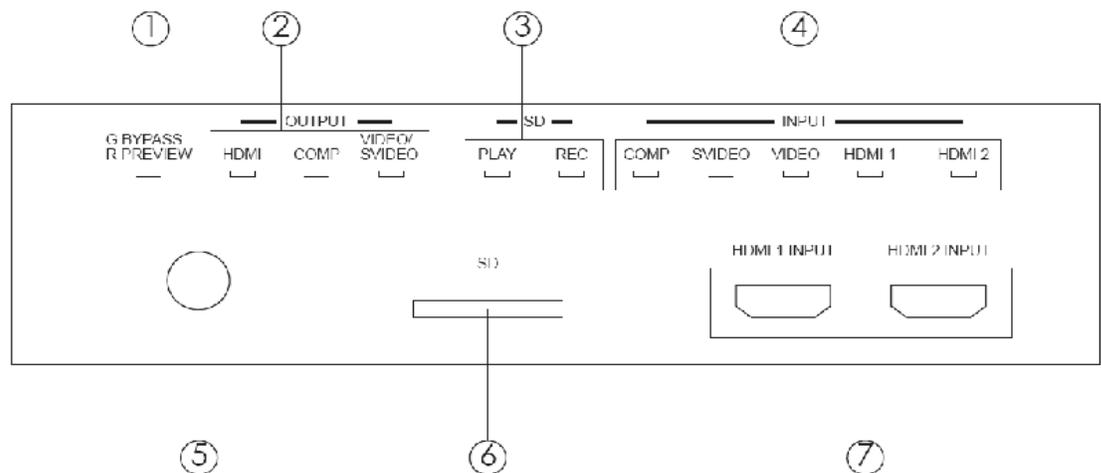
S-Video x 1

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 output 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. When record the files to SD/HDD card, the LED will illuminate in Red color.

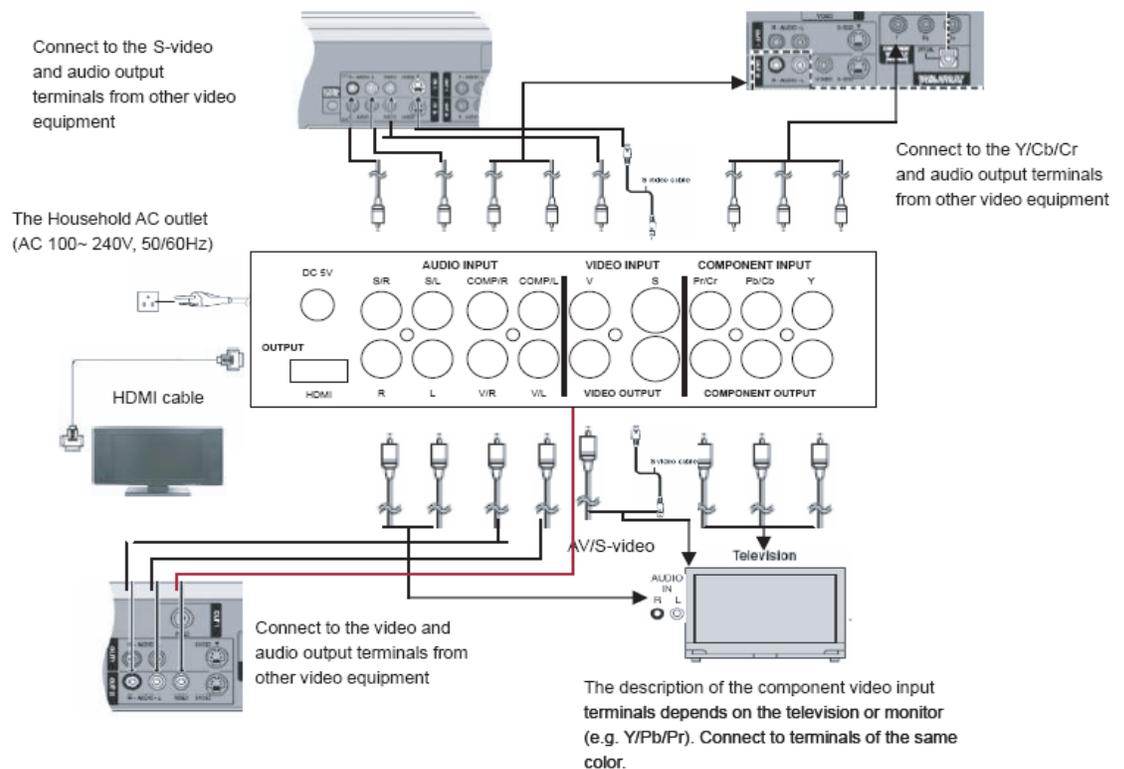
**4. Input source indicators:** When the input source been selected the LED will illuminate to indicate which input source is selected. If video and S-video connected at the same time the Video input is the first priority from the system.

**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.

## Rear Panel Connections



## Using the High Definition Video Recorder

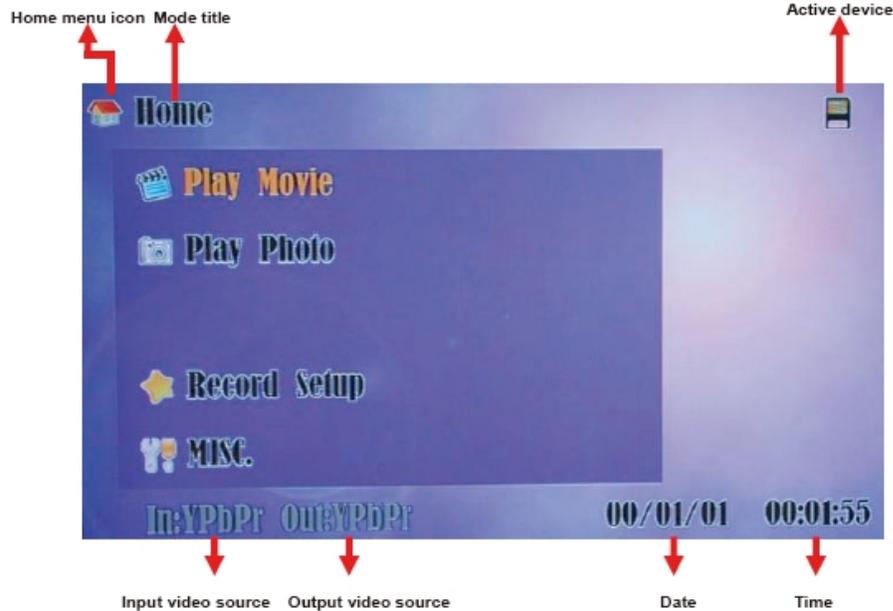
After connecting the unit to the TV and Power on, you are ready to start the product. This chapter describes how to turn on the device and how to control On-Screen Display (OSD) menu to configure the device settings.

### Turning on power

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

### Using the OSD menu

Press [Menu/Display] to display Home menu.



#### **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

#### **Menu mode**

Press [ / ] to select the playing file.

Press [OK] to enter the Play Movie mode and to the thumbnail browser.

#### **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 [ ▶ ] slow-forward the speed.

Press [ ◀ ] slow-backward the speed.

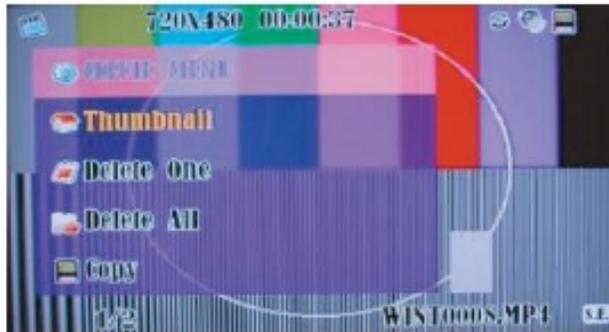
Press [Stop] to stop playing the file and then press [OK] to play the file from beginning.

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 snapshot the file.

**Thumbnail**

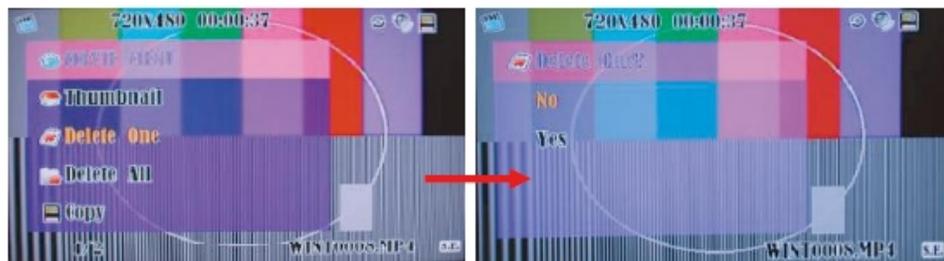
Press [OK] to return to the movie thumbnail.

**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.

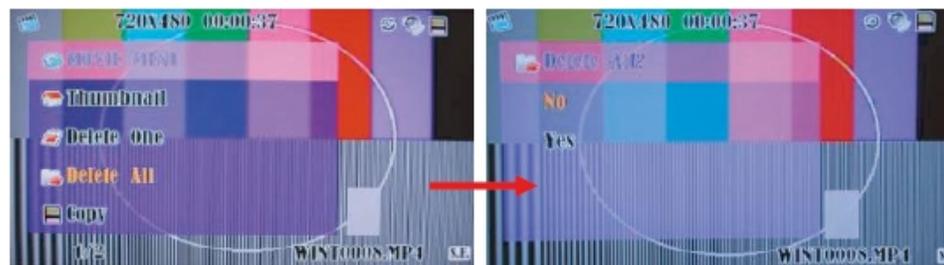


**Delete All**

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.

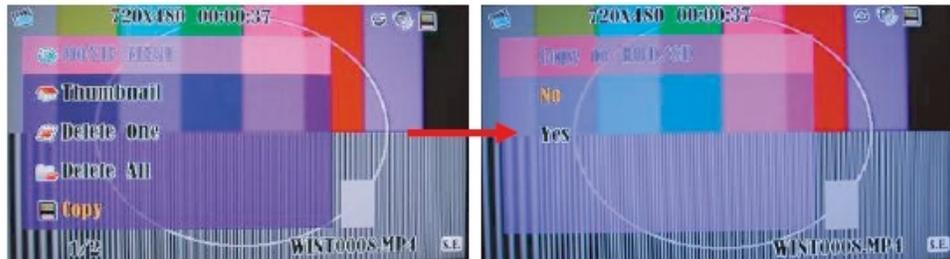


### Copy (With 80G HDD only)

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.

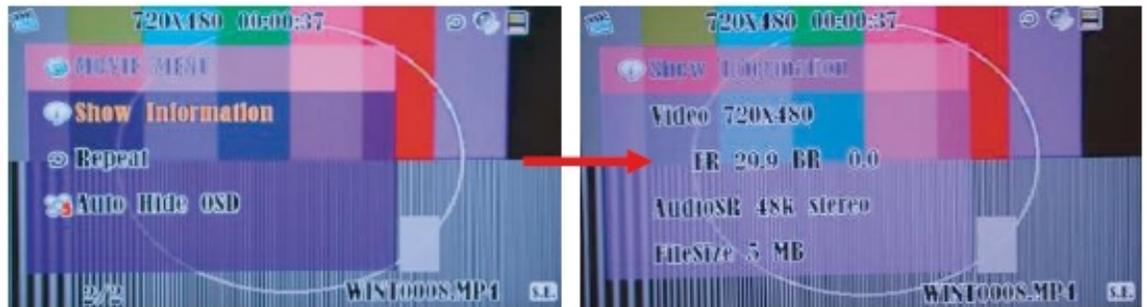


### Show Information

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.

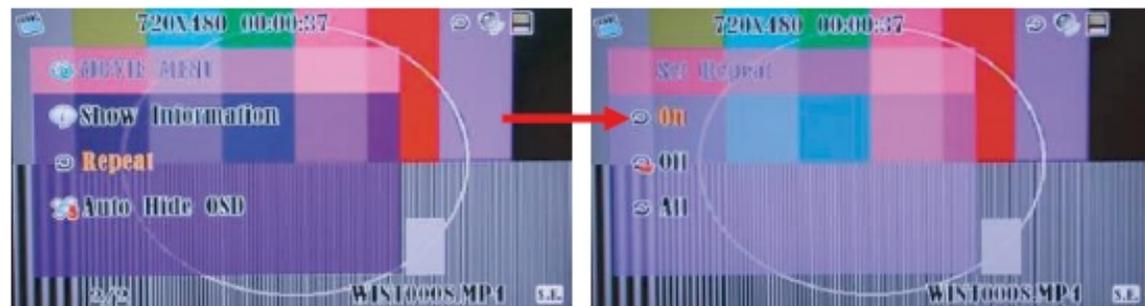


### Repeat

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.

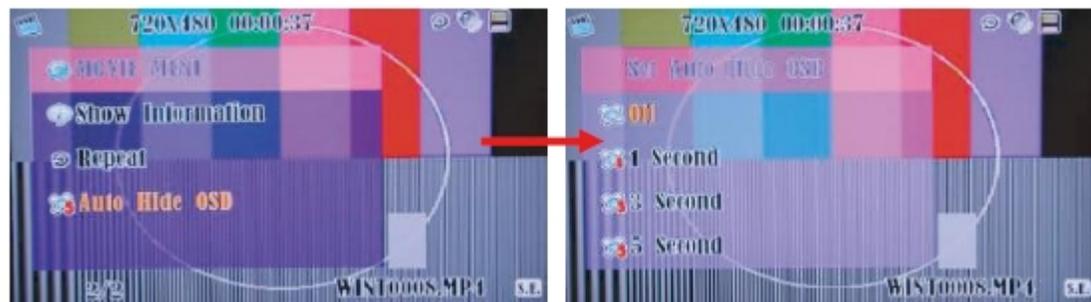


### Auto Hide OSD

Press [▲/▼] to select the selection.

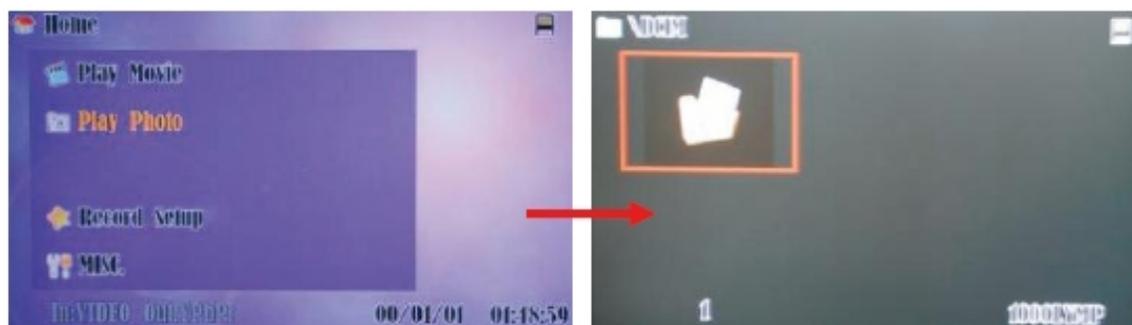
Press [OK] to select the Auto Hide OSD for off/1/2/3 seconds.

Press [Return] / [Menu] to return to the previous page.  
Press [Return] to go to the Home menu.

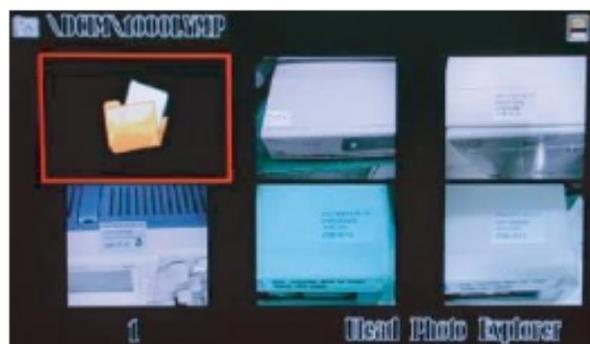


### Play Photo

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



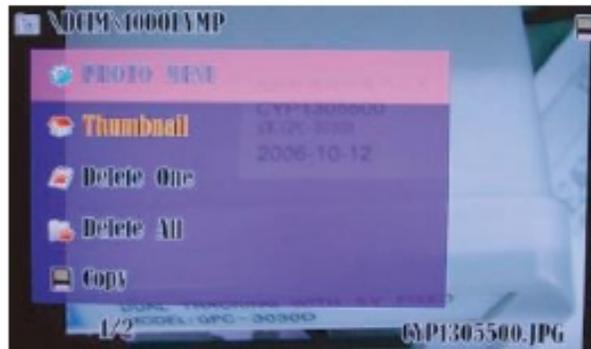
Press [▲/▼/◀/▶] to choose the folder.  
Press [OK] to enter the files and play.



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 JPEG files "off", "one file" or "all file" in playback mode.  
Press [OK] to stop the sequence play and display current photo.

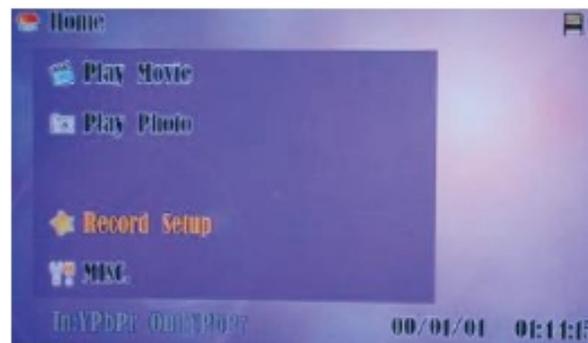
### Photo Menu

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.



### Record Setup

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



### Set Quality

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



### Record From

Press [OK] to enter the Record input source.

Press [ ▲/▼ ] to select the setup list and there are 10 different lists

Press [Menu/Return] to return to the previous page.

Press [OK] to confirm the record input source and return to the Home menu.



### 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 (1 hour)
Extra Fine	HD	10	1,092.3	18.2
Normal	HD	7.5	1,456.1	24.3
Economic	HD	5	2,184.5	36.1
Super Eco	HD	3.5	3,120.8	52.0

	80	GB		
Mode	Resolution	Bit Rate (Mbps)	Record time (Min)	Record time (1 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.

## **MISC**

Press [OK] to enter the Miscellaneous Menu.

Press [ ▲/▼ ] to select the setup list and there are 10 different lists.



### **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.

### **Set Language**

Press [OK] to set display language.

Press [ ▲/▼ ] to select the display language (Chinese/English).

Press [OK] to return to the Home menu.

### **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.

### **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.

### **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.

### **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.

### **Show Freespace**

Press [OK] to enter free space mode and press [OK] again to show the storage memory space.

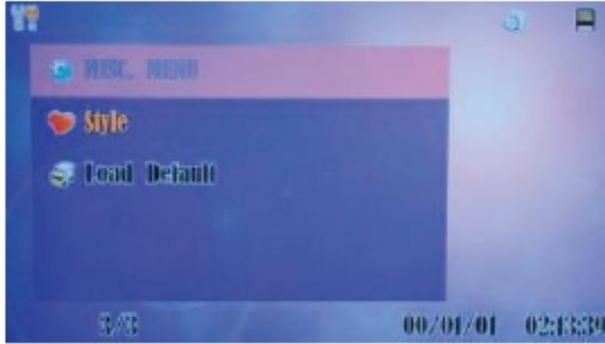
Press [OK] to return to the Home menu.

### **Version**

Press [OK] to enter software version mode.

Press [OK] to show the software version.

Press [OK] to return to the Home menu.



### **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.

### **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.

## **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 ~ 70 C