

硬盘录放机



DVR2008 USER MANUAL

Please read this manual carefully before using your new player.

DVR2008

SUNKEEN DVR08, a family multi-media center, record program in digital, can play various media files like **MPEG1 MPEG2 MPEG4 MP3 JPG**, achiever HDD and card copy, can be used as storage center and connect to PC, produce MPEG4 files.....

SUPPORT TIME SHIFT



Safety Instruction

This section describes precautions that should be observed in order to prevent injury to the user and damage to property, and to ensure safe use of the product. Be sure to observe the following items when using the product not to cause malfunction

Safety precautions:

- 1: The product may generate heat when used for a long period of time, so please set it far against the wall over 15cm and keep ventilation.
- 2: Do not expose the product under sunlight or other heat source.
- 3: Do not expose the product in rainy or extremely wet place.
- 4: Do not insert metal or combustible materials into the product. Doing so may cause fire, electric shock or other accident.
- 5: Injured or damaged cables will cause fire, electric shock or other accident. Plug the cables in properly by hand.
- 6: Do not violent distort cables to prevent short circuit.

Data Safety:

- 1: Do not turn off power when the product reading/writing storage devices, otherwise the data would loss, even damage hard disk.
- 2: Please choose storages with better compliant, such as SD cards, USB storage devices.
- 3: Do not use too long or low-quality USB line when choose HDD; otherwise the system will not detect the HDD.
- 4: Please keep important data backup to prevent accidental loss

Important Notice:

The two plugs in this product can't insert corresponding cards at the same time.

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1.1 Introduction

This product records programs in digital mode, providing convenience for reviewing the recorded programs. Besides, it could be connected to PC, providing easy connection for uploading recorded files or downloading multimedia files, like AVI, MPEG1, MPEG2, JPEG, BMP and MP3 files, be treated as a personal media recording and playing device, an external storage of personal computer, or a USB card reader. With all these features, such a multifunctional media player takes the place of traditional family-DVD, become a fashionable device.

1.2 Main Features:

1. For watching analog TV/ digital TV/AV signal(*1)
2. Instant Record and Timer Record
3. Replay the recorded media file
4. Storage device: USB device, SD/MMC card, internal HDD(*2)
5. Upload record file to PC, download and play multimedia files, such as AVI files (*3);
6. It can be used as PC storage device or card reader
7. Support Time-Shift function when the storage device is internal HDD (*2);
8. Support VGA output and it is possible to connect computer display directly to enjoy movies (*4);

Notes:

- (*1) Some type of this service doesn't support digital TV signal input
- (*2) Some kind of this service without HDD doesn't support this function
- (*3) Some multimedia file must be converted in computer
- (*4) Support VGA output with 720x480 or 720x576

1.3 Package Items

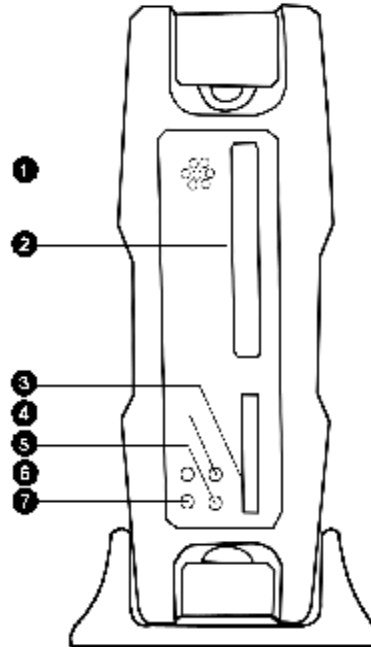


DVR Remote Battery AV Line USB Line Power Adapter User Manual

1.4 Interface

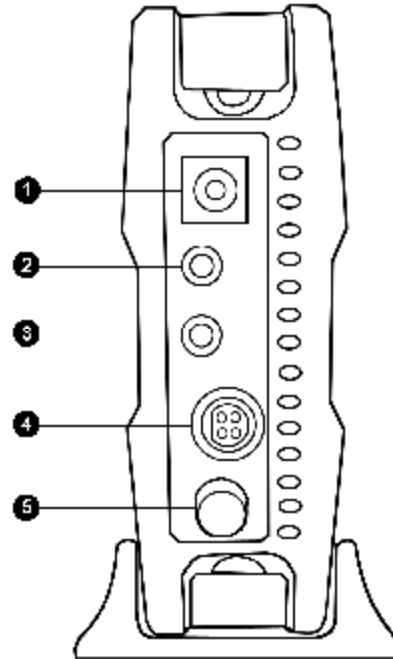
Front View

- 1、 REMOTE SENSOR
- 2、 CF card Host
- 3、 SD / MMC /MS Host
- 4、 HDD LED
- 5、 RECORD LED
- 6、 USB / CARD LED
- 7、 POWER LED

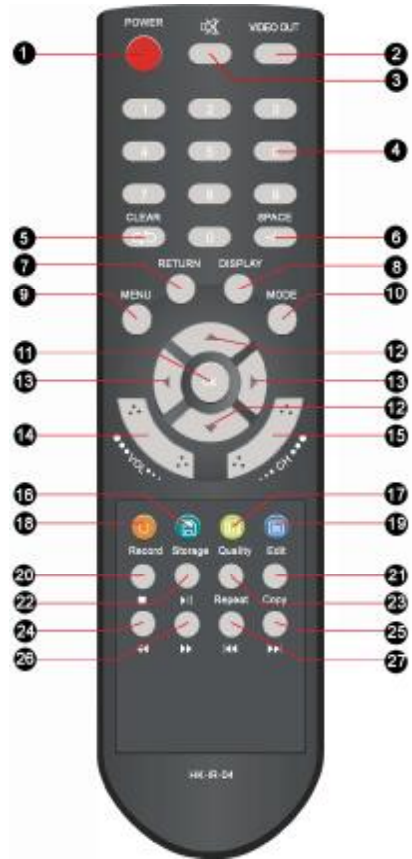


Rear View

- 1、 USB Host (SLAVE mode)
- 2、 A/V Input
- 3、 A/V Output
- 4、 Power Input
- 5、 ON / OFF Power Switch



1.5 Remote Function



- 01 POWER
Standby Mode
- 02 VIDEO OUT
Handoff Video Output Mode:
S-Video/ VGA / Video / YPbPr
/ YCbCr (*1)
- 03 MUTE
- 04 NUMBERS
Input digits: switch to a TV
channel, or choose a media
file(*2)
- 05 REVIEW/CLEAR
Program review; clear input
characters or clear timer
record items.
- 06 -/--/SPACE
Channel select button; Space
- 07 RETURN
Return the last played program
- 08 DISPLAY
Display media information
- 09 MENU
Enter the main menu

- | | | | |
|--------------------|--|----------------------|--|
| 10 MODE | Switch play mode, such as AV/S-Video /YUV/TV, etc.(*3) | 21 Copy | Copy files between HDD and USB,HDD and CARD |
| 11 OK | | 22 PLAY/PAUSE | Play the selected multimedia file |
| 12 ▲ / ▼ | UP/DOWN move the highlight | 23 Repeat | File repeat->Directory repeat
->Sequence play |
| 13 3/4 | LEFT/RIGHT move the highlight | 24 F.R | |
| 14 VOL+ / - | Raise/Lower the sound volume | 25 NEXT | |
| 15 CH+ / - | Switch to previous/next channel(*4) | 26 F.F | |
| 16 Storage | Switch the storage device | 27 PREV | |
| 17 Quality | Choose record quality: HQ、SP、LP、EP、SLP、SEP | Note: | (*1) (*2)(*3)(*4) functions
Some specific products have these described functions |
| 18 Record | | | |
| 19 Edit | Edit multimedia files, such as to delete, rename, etc. | | |
| 20 STOP | Stop playing or recording | | |

1.6 Remote Function List

Key Name	Function	Description
Power	Power switch	Switch between power on and off
Numbers	Digit key	Input digits, switch to a TV channel
9 / :	Previous/Next	To previous/next one
7 / 8	F.R/F.F	Fast reverse/Fast forward
Stop	Stop	Stop playing and press PLAY can resume playing
Play/Pause	Play/Pause	Play/pause the selected file
CH+	Channel+	Switch to the previous channel
CH-	Channel-	Switch to the next channel
Volume+/-	Volume+/-	Raise/Lower the sound volume
3 / 4 / 5 / 6	Direction key	Move the highlight rectangle
4 ;	Play/Pause	Pause the selected file; Time-shift
Enter	Select	Confirm the selection
Record	Record	Instant record
Quality	Record Quality	Choose a quality for recording
Repeat	Repeat playing	File Repeat -> Directory Repeat -> Sequence Play
Return	Return	Return the last played program or the previous state
Display	On-Screen Disp.	Display media information
Copy	Copy	Copy files

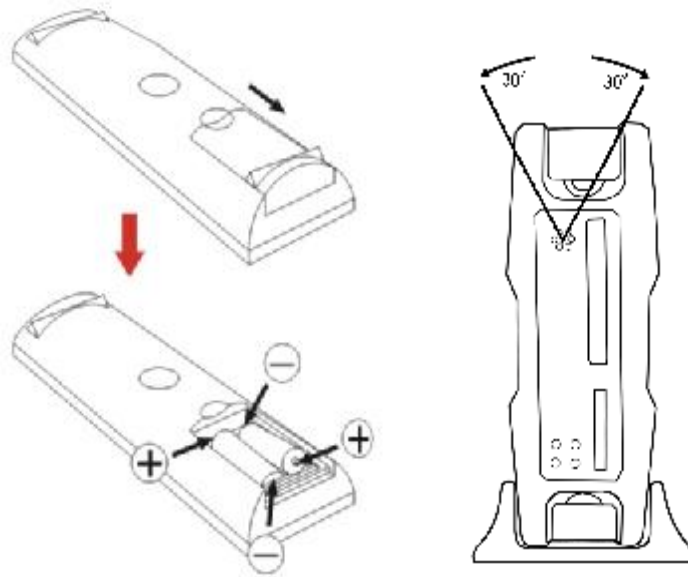
Key Name	Function	Description
Mute	Mute	Off/on sound
Edit	Edit	Edit multimedia files, such as to delete, to rename, etc.
Menu	Menu	Enter the main menu
Mode	Switch play mode	Switch among TV, AV input, and Media Player modes
Storage	Switch the storage device	Choose storage device among HDD/USB/CARD
Video Out	Switch video output	Switch video output: S-Video / VGA Video / YPbPr / YCbCr

Note:

Some specific products have certain described functions

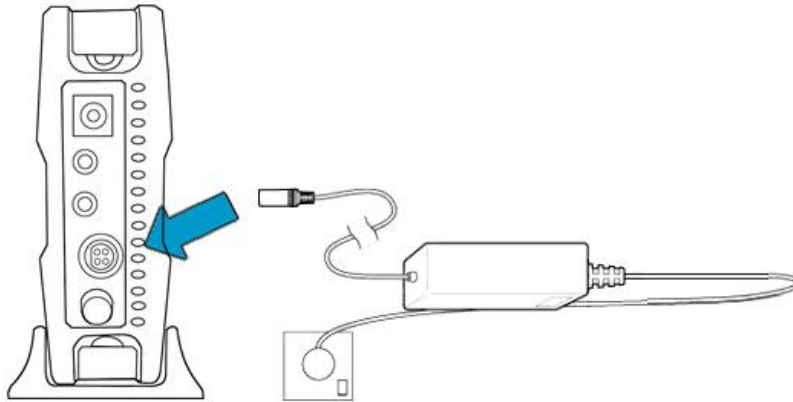
1.7 Remote Use Introduction

Open the battery cover, set the battery as shown below.



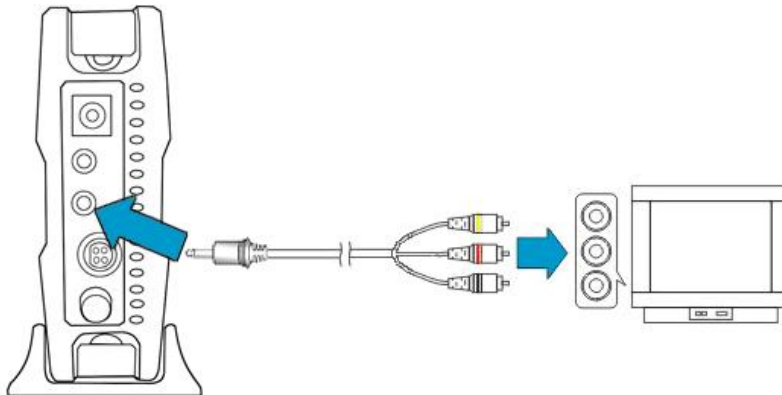
- 1: Locate the remote control toward the reception sensor and works within 6m and 30 radiuses toward each side from the reception sensor of the set.
- 2: When the remote becomes insensitive, please replace a new battery.

2.1 Insert AC Power Adapter.

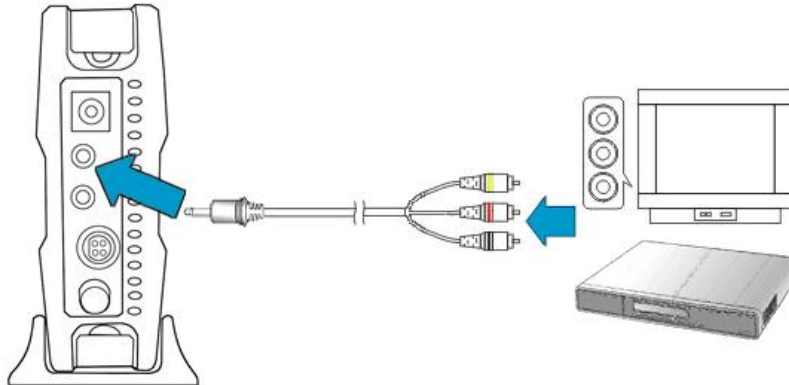


Use only the AC Power Adapter supplied with the player. Connect the player to the power as shown above, then turn on the power.

2.2 Video Link—AV Output



2.3 Video Link – AV Input



2.4 Connect to PC

After formatting, your system will automatically recognize as an external hard disk and the power led will light, then you can copy any files you want (music, movies, pictures) and any kind of data.

Windows 98/SE are required to install USB driver. So we suggest users to use Windows XP and above higher operation system.

2.5 Disconnect to PC

Do not disconnect the player while the drive is in use. Complete any file copying activity before attempting to disconnect from your PC.

1. Click the “Safety Remove Hardware” icon in the System Tray and a [Stop USB Mass Storage Device-Drive] message will pop up.
2. Select USB hard disk, and click [Stop]. A pop-up message will appear again and click [OK].
3. Wait for few minutes. The system will show that you are safe to unplug the device, then you can unplug USB connection.

The system provides four main functions: HDD Browser, HDD Utility, Setup, and Timer Rec



2.1 HDD Browser

In the “Media Player” working mode (HDD Browser), you can browse, play, and edit media files of movie, music and picture. Press [←] key to move the highlight to the file folder bar, press “EDIT” on remote, and then the EDIT menu will be showed, providing the functions, such as play mode、rename、delete.



- **File Play**

Select a file under “Movie/Music/Picture”, press “ENTER” on remote, the file will be played. While playing, pressing the DISPLAY key can show the information about playing, such as the file location, repeat mode, play time, and so on.



- **File Edit**

1. Edit menu:

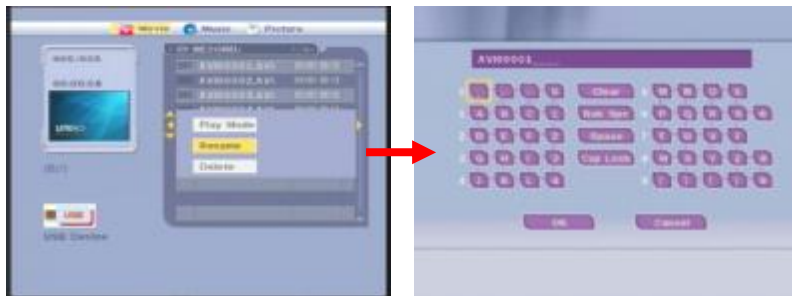


For a movie or music file, pressing EDIT key can pop up an editing menu which contains Repeat Mode, Rename, and Delete items. Choose a repeat mode for playing files; The Rename key to enter the text input interface to rename the selected file; Delete key to delete the selected file.

2.Repeat Mode:



3.Rename:



4.Delete:

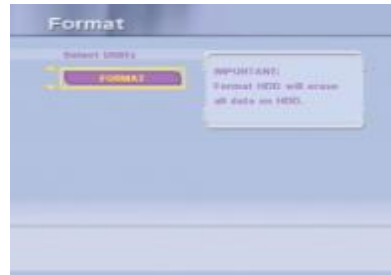
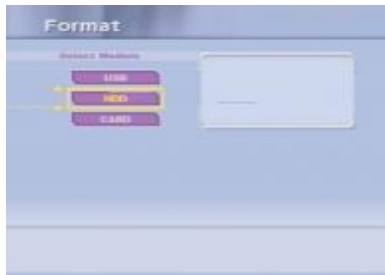


3.2 HDD Utility



After enter “Format” item in the main menu, you can format the internal or external storage devices.

Formatting will erase all data on the storage device and rebuild a FAT file system.



Press ENTER key, a dialog box will pop up (as below) to ask you to confirm.

If you select Yes, the system will pop up prompt in the following interface, formatting time may vary with the data density in device, please wait and not take away the USB/CARD/HDD device or power it down; otherwise, the system will fail to recognize the device and you will have to format it with the FAT32 option on computer again.



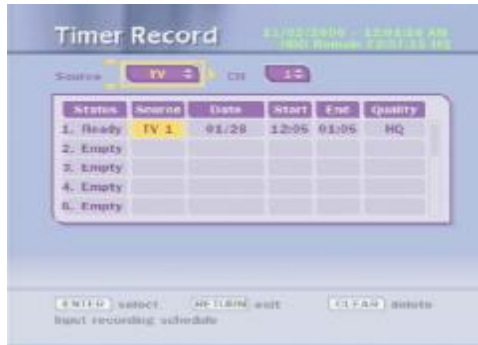
After that, a dialog box will pop up as below.



3.3 Timer Rec.

By the Timer Rec. function, you can record TV or AV IN signals to HDD/USB/CARD in the format of AVI files within the reserved time. In the Timer Record menu, you can select a video source, target, timer recording date, recording mode, start/end time and recording quality.

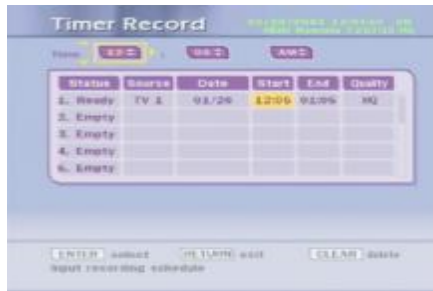
1. Choosing media source from TV channel or AV input: press [↑]/[↓] to choose.



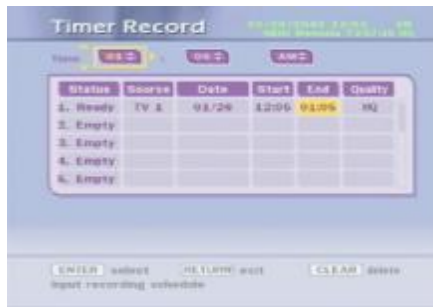
2. Setting the recording data and mode:



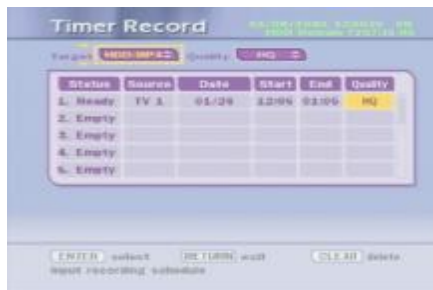
1. Entering the start time of recording:



2. Entering the ending time of recording:



3. Choosing the recording quality in quality box.



The Setup item in the main menu provides an entry for setting the T-Box system and video source in detail.



The Setup menu contains three items: System, A/V Set, and Recording.



4.1 System

- TV System

Two options, PAL and NTSC, can be selected according to your TV set; Press [←][→][↑][↓] to move the highlight to a proper item. Press ENTER to exit the



current menu.

- Screen Saver

To turn on/turn off the screen saver; Press [←][→][↑][↓] to move the highlight to a proper item. Press ENTER to exit the current menu.



- Sys Language

System language selections for the UI display; Press[←][→][↑][↓] to highlight a desired language. Press ENTER to exit the current menu.



- Time Format

Supports six formats for displaying Year, Month, Date, and time; Press[←][→][↑][↓] to highlight a desired language. Press ENTER to exit the current menu.



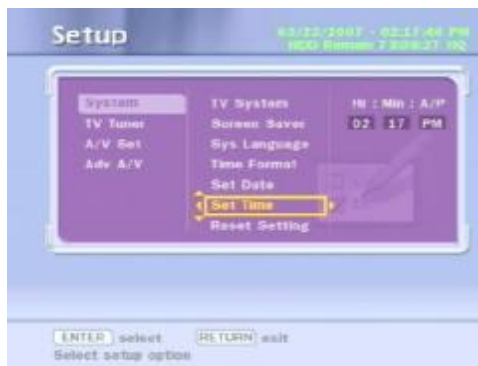
- Date Set

To set year, month, and day for the system; Press[←][→][↑][↓] to move highlight to a proper position; Input digits for each section (MM:DD:YY)



- Set Time

To set hour, minute, and AM/PM for the system, Press[←][→][↑][↓] to move highlight to a proper position; Input digits for each section (Hr:Min) and press [↑][↓] to set AM/PM



- Reset Setting

Set all options back to the factory settings. Press[←][→][↑][↓] to highlight the Reset Setting item, press ENTER to confirm.



4.2 A/V Set

- SPDIF Output



·Adv Set

This menu contains video contrast, hue, saturation and brightness.



4.3 Record

- MPEG 4 Quality



- Auto



Specification

Support Media Format	
Video	MEEG1/2(.mpg or .vob) Up to 720*480@30fps. 720*576@25fps Div×3.11 4.×5.×(.avi or dvx) Up to 720*480@30fps. ADPCM or MPEG-1&2 Layer MPEG.4(.avi)MPEG.4 Simple Profile 720*480@30fps 2-channels MPEG.1&2 Layer3(MP3)
Audio	MP3(.mp3) MPEG-1&2 Layer I / II /III, sample rate up to 48KHz. Bit rate:24-320Kbps,CBR&VBR, Stereo WMA(.wma) WMA sample Rate up to 48KHz, Bit rate:16-384Kbps,CBR, Stereo
Photo	JPG
Record Format	
Video Rec.	ISO MPEG-4(.avi) 720*480@30fps(NTSC),720*576@25fps(PAL),Mp3 Stereo Quality adjustable in 6 level(HQ/SP/LP/EP/SLP/SEP)
Audio Rec.	MP3(.mp3) 2 Channel: 16KHz,32Kbps24KHz,64Kbps32JHz,96Kbps

Hardware	
Video Input	CVBS, TV Tuner PF, USB Host
Video Output interface	CVBS, TV Tuner PF, S-Video jack VGA RGB 720*480@60Hz, 720*576@50Hz
Audio Output interface	Analog Stereo signal
USB 2.0 plug	1. USB Device 2. USB Host
Storage format	Build-in 3.5'ATA/ATAPI/HDD hard disk, 20-500G. FAT16/FAT32 partial Support external SD/MMC card Support USB Storage
Voltage	power adapter, input:100 ~ 240VAC 50/60HZ, out:12V/2.5A
Dimension	175(H)*188(D)*55mm(W)
Language	1. Chinese + English (Standard) 2. German、French、Spanish、Portuguese. 3. Traditional Chinese + English

Description for details:

AVI	NTSC	PAL	G/Hour
HQ	4.945Mbps,720*480,30fps	4.945Mbps,720*576,30fps	2G
SP	3.428Mbps,720*480,30fps	3.428Mbps,720*576,30fps	1.5G
LP	2.528Mbps,720*480,30fps	2.528Mbps,720*576,30fps	1G
EP	1.691Mbps,352*240,30fps	1.691Mbps,352*288,30fps	0.7G
SLP	1.268Mbps,352*240,30fps	1.268Mbps,352*288,30fps	0.5G
SEP	0.828Mbps,352*240,30fps	0.828Mbps,352*288,30fps	0.35G

