Mini Audio/Video Recorder
(SDV-03)
User Manual

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GENERAL INFORMATION

Mini A/V Recorder

- Portable Media Recorder and Player
- Voice Recorder
- Direct connection to TV via AV cable

Main Features

- Support USB. (2.0)
- Recorded data can be transferred into PC to play.
- It can play PC media files on TV through DVR.
- Support external memory card - Micro SD card (Up to 4G)

➤ Transcend
➤ Kingston
➤ ADATA
➤ SanDisk

WARNING

Only 5V adapter is acceptable, please do not connect any other adapter or it may cause of serious damage.

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The important safety instruction ought to be read before operating the product.

Electricity sound or smoke comes from AC adapter, it causes of electric shock and fire. In occasion, please turn off the power and plug out the AC immediately
If AC adapter is broken, the product temperature will increase it cause of damage the product and break down. Plug out the adapter from wall outlet immediately.
Please keep DVR away from water or moisture. Do not use this product in bathroom, swimming pool and wet places. If water or other substances is in the DVR, please turn off DVR and unplug the adaptor.
Use provided power source. Do not use other power sources it causes of fire or electric shock.
Do not touch AC adapter with wet hand.
Do not unplug the connection cord; take out main body of Adapter.
Do not bend or twist the cable, it causes of fire or electricity shock
Do not load any things on the power; it damages the cord and cause of electricity shock.
Use 110V or 220V only.
Do not use damaged cable, it causes of fire and electricity shock.
For added protection, if there is lighting or storm, please unplug the AC adapter it may be risk of electric shock or serious injury
If there is lighting outside, do not touch and reach to adapter.
Do not use either damaged product or malfunction state, it cause of fire or electricity shock. Unplug the power immediately. Do not try to fix the product yourself.
Please pull out connection cable and unplug when you carry DVR
Do not fall the product and keep children away. It causes of breaking the product.
Do not use the cable inadequate way such rolling neck with cable and do not give to who under 3 years
Do not replace or dismantle the product, it cause of hazard
Do not use in inadequate place or purpose, it causes of damage of product
While carrying the product, please unplug AC adapter.
Do not drop the product
While carrying DVR, be careful with shock. It could be main reason of breaking down
Do not place the product or cable near heat places.
If it is not used for a longer period of time, please unplug the AC adapter for the safety.
Operating Temperature: -5℃ ~ 40 ℃ Preserving Temperature: -20℃ ~ 60℃
If you do not use for a long period, turn off the DVR and unplug the AC adapter.
If the memory card is not ejected correctly, contact technical support immediately. Do not force the card in/out of the slot as this could damage the memory card and or the unit itself.

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![SNIP logo]

OPERATING DVR

1. BASIC OPERATION

> # Power on/off

Press Power button to turn on/off the device.

LED Indication :

LED COLOR	STATUS 1 (Flashing)	STATUS 2 (Light On)
Blue	Battery Low	Power On
Red		1) Power Charging – Turn off mode 2) Power Fully Charged – Light off
Green	Main Menu Mode	Reading / Writing Memory
Blue/Red/Green		Memory Full (Blue & Green swap)

Important Notice

1. Press 🔘 1.5~3 seconds to power on.

2. If cannot power on, please check if the function key is in the middle position, if not please shift it to the middle. (In order to power on/off the DVR, please keep the function key in the middle position.)

3. If cannot power on, please check your DVR power status.

Function Selection

Press ▲ / ▼ / ◀ / ▶ key to select functions, and then press ▮▶ to enter the selected function.

Operation:

1. Press ◀ / ▶ to select main function (Video / Audio / Photo / Menu)
2. Press ▲ / ▼ to select sub-function and then press ▮▶ to enter/confirm.
3. Press ■ to go back or exit.

Video	Audio	Photo	Menu

Video Files

External Video Record

Motion Detect

18:43

Video Mode

Video	Audio	Photo	Menu

Video Files

External Video Record

Motion Detect

18:43

Audio Mode

Video	Audio	Photo	Menu

Photo Files

18:43

Photo Mode

Video	Audio	Photo	Menu

NTSC / PAL   > NTSC
System Setting
Format   SD
Firmware Upgrade
Memory Information

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Menu Mode

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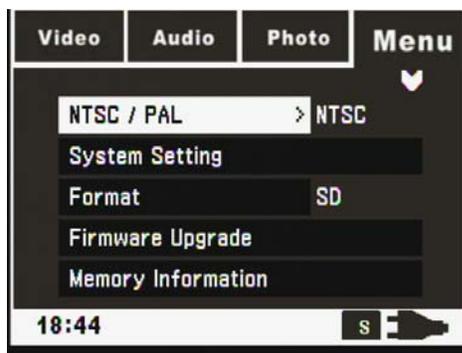
Switching Screens between main & sub-menu

Press 📄 to enter sub-menu.

1. Press ▲ / ▼ to move to the item you want and then press ▶ to enter confirm.

3. Press ■ to go back or exit without changing setting.

Quick Key (Hot Key)

1. Main body

(1) Shift function key to Video Recording or Audio Recording (Middle for stop and file saving) .

(2) While the function key is working on Video or Audio recording, system will be on hold; To release it, please shift the function key to the middle position to stop recording.

DC 5V   USB

Video Record   Audio Record
& Hold Key   & Hold Key

Stop & Hold
Key Release
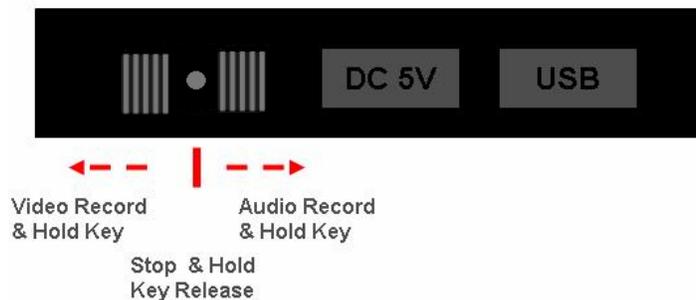
2. IR Remote Controller

(1) When the function key is in the middle , you may use the IR remote controller to operate DVR.

(2) There are four quick keys on the IR remote Controller:

a. [M]   Motion Detection key – directly start the detecting mode.

b. [VIDEO]   Video Recording key – directly start the video recording without hold.

c. [AUDIO]   Audio Recording key - directly start the audio recording without hold.

d. [MIC]   Microphone Recording key – directly start microphone recording without hold.

(3) Press ■   to stop and file saving , press ■   again to go back to main menu mode.

(4) The IR remote Quick Key only works on main menu mode.

(5) Before using IR remote quick key, please check if your DVR's Green LED light is flashing, if not , please press ■ key two times or reset your DVR (or repower on) .

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Video Image Capturing

Press ▶ during video file playback, and then press 🔴VIDEO to capture the image from the file. Recording status indicator will flash while image capturing and the file will be saved in "Photo File" → "My Record" as JPG file.

Volume Adjusting

Press 🔊 during Video and Audio playback to adjust volume (10 levels).

Access Keys

Press 🔴VIDEO under main menu to enter "Video/Audio Recording" Menu.

Press 📄 under main menu to enter "Setup" menu. It's also Function key under other menu.

Press Ⓜ under main menu to enter "Setup" menu. It's also Function key under other menu.

2. SETUP

1. NTSC / PAL : Select Sync System

2. System Setting : Setting DVR system :

    (1) Sleep setting : for power saving

    (2) Time setting : Setting System Date & Time

    (3) Language : Setting system language

    (4) Load setup defaults: reset system to default mold.

3. Format : Format SD card

4. Firmware Upgrade : upgrade new firmware for DVR

5   Memory Information : Memory card status information

6. Schedule Presetting : Schedule presetting for Video , Audio &
    Microphone recording.

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Schedule Presetting

Set up "Schedule Presetting" can automatically start and finish recording at the time you wish to record.

There are four sets of schedule setting. Choose your REC sources from 3 selections below:

MIC REC / Audio Line In REC / Video Line In REC

Press ◀ / ▶ then press ▐▶ to enter for more settings.

REC Start / Stop:

Enter date and time to start and stop recording.

Select: Quality / Setting

"Quality" to choose recording quality.

High	720 x 480 Pixels	1G bytes / 1 Hour
Medium	640 x 480 Pixels	990M bytes / 1 Hour
Low	320 x 240 Pixels	550M bytes / 1 Hour

"Select" → "On" to enable "Schedule Presetting" function.

Please set up schedule by time order.

Video

1. Video Files :

(1) Press ▐▶ to enter video file for video playback , press ▐▶ to pause , re-press ▐▶ to continue playback. Press ■ to stop and go back to the file list.

(2) Press ▶ to Forward and ◀ to Rewind with 2x/4x/8x three different speeds.

(3) Under video playback mode, press 🗎 to enter sub-menu , press ■ to exit sub-menu.

a. Video Repeat : No , All , Single

b. Full Screen : On , Off (for QVGA quality playback expand to full screen)

(4) Under video file list , press 🗎 for file management (delete , protect , file information)

(5) Please press "Volume +" for video playback.

2. External 🔴VIDEO eo Recording :

(1) Press ■ to starting video recording.

(2) Press 🗎 to stop video recording

(3) Press to enter sub-menu of video recording

a. Quality : video quality select ; High (720x480) , Medium (640x480) , Low (320x240)

b. Display Information : Show DVR information; On/Off

c. Rec Date Time : Add date/time info to video; On/Off

d. Over Write : Video recording file over write on or not; On/Off.

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3. **Motion Detection :**

(1) Press ▶ to starting motion detection.

(2) Press ■ to stop motion detection or recording

(3) Press 📄 to enter sub-menu of motion detection

a. Quality : video quality selection, High (720x480), Medium (640x480) , and Low (320x240)

b. Display Information : Show DVR information ; On / Off

c. Rec Date Time : Add date/time info to video ; On/Off

d. Motion detect Level : Setting motion detect sensitivity level , High / Medium / Low

e. Motion Detect RecTime : Setting motion detect video recording time ; 30sec/1min/3min/5min/10min

f. Motion Detect Area Setting : Press ▶ to enter area setting , press ▶ to setting motion area On or Off (Green On , None Off) ; Press ■ to exit.

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Audio

1. **Audio File :**

   (1) Press ▶ enter audio file for audio file playback , press ■ to pause , re-press ▶ to continue playback. Press ■ to stop and back to file list.

   (2) Under audio playback mode press 🗒 to enter sub-menu , press to exit sub-menu.

   Audio Repeat : No , All , Single , Random

2. **Microphone Record :**

   (1) Press ▶ to starting microphone recording.

   (2) Press ■ to stop microphone recording

   (3) Press 🗒 to enter sub-menu of microphone recording

   Quality : audio quality select ; High, Low

   (Note: Please shift the microphone cover while doing the microphone recording.)

3. **Audio in Record :**

   (1) Press ▶ to starting audio recording.

   (2) Press ■ to stop audio recording

   (3) Press 🗒 to enter sub-menu of audio recording

   Quality : audio quality select ; High   , Low

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4. **BookMark :**

   Press IR Remote "Book Mark" Key or press play key while audio
   playback to pause, and then press stop key to escape, go back to main
   menu. Next time when you enter Audio playback, a "Continue or not"
   message will show up, if you choice yes, system will direct you to last
   flag to playback; if choice "no" will go to file list. This function only support
   audio playback.

Photo

Photo File :

(1) Press ▶ to enter Photo Files for photo playback.

The pictures are saved and listed under MyRecord

folder.

(2) Press ■ to stop and go back to file list.

Specification

Display	NTSC / PAL TV output

Interface	One Micro SD Card Slot Support SD2.0 (SDHC) & SD1.1 Micro SD card
	AV line-in ⌀2.5mm audio/video jack with DC 5V Power support
	AV line-out with 14 pin audio/video jack
	Mini USB
	Mini MIC

Video	Encode	720x480(HIGH 18fps)/ 640x480(Medium 30fps)/320x240(Low 30fps) Quality ; file format AVI from Camera module
	Decode	720x480@30fps max
	Function	FF/RW/Pause/Slow motion/Video Capture
		Motion Detect for Camera in Video Record

Photo	Support JPEG baseline/ progressive format

Audio	Encode	Audio line-in, Microphone on ADPCM format
	Decode	Support WAV playback
	Function	FF/RW/Pause/Book mark (see note 3)/A→B repeat

Power System	DC in 5V/2A power supplier
	3.7V 1000mAh Lithium battery

Dimensions & Weight	Dimension	(L x W X H) 75*50*17
	Weight	100±5g
	Battery weight	50±2g

Battery life time	1~1.5 hours with Video playback or Record

Accessory	Adapter , USB cable , RCA (RED/WHITE/YELLOW/DC5V) cable (for AV out) , RCA(WHITE/YELLOW) cable for AV in.

LIST OF ACCESSORIES

Super-Mini DVR

Remote Controller

A/V Out Cable

USB Cable

A/V In Cable

5V DC Adapter