



Kirisun Communications Co.,Ltd.



Instruction Manual

DSJ-A9

**Law Enforcement
Video/Audio Recorder**

FCC ID:Q5EDSJ-A9

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on its right side, suggesting it's resting on a surface.

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Basic Operation

①. Push-to-talk (PTT Key)


Press it to call or transmit voice; release it to receive voice.

②. Orange ON/OFF /ESC Key



◆ ON

In the power off status, press and hold the  key to turn the recorder on; the display presents this interface and then enters





into "picture preview" (during File Scan mode, press the  key to return to the preview mode)




◆ OFF

Press the  key for 3 seconds, this picture  displays, and the recorder is turned off.


Note:

During file scan, short press  key to return to the previous menu; during the video playback and slide play, short press  key to exit the play and return to the file scan mode.

③. File Scan Key

• After power on the recorder, short press the key to enter into "File Scan"; short press  key or  key to move the cursor and select the file (the icon in red means the file is selected). Select one file, short press  to open it. If you are playing

back a video, press  to pause it.


• When connect the recorder with the PC, the recorder enters password input status, short press  to move the cursor to the left until the password is input.







Note:

JPG is the image file. In video review mode, green icon displays on the up-left of the screen; WAV is audio file. In recording voice mode, yellow icon displays on the up-right of the screen; AVI is video file. In recording video mode, red icon displays on the up-left of the screen.


④. Photo key

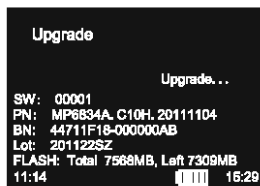
In picture preview mode, press the  key one time for one photo. The images are saved automatically.




Long press  for 3S to enter the selection of video resolution mode. Press  key or  key to move the cursor and select one resolution; and then press  to confirm it.






Long press  for 5S to enter the upgrade of the software mode. Press the key again to exit it.




⑤. UP Key

In picture preview mode, short press  key to record voice. The screen displays the picture at right. Press any key (except PTT key) to end recording.



In File Scan mode, short press  key to move to the above file; in video playback mode, short press  key to increase the volume in password input mode, short press  key to increase the digit.

⑥. DOWN Key▲

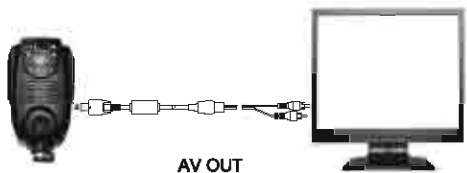
In picture preview mode, short press ▼ key to turn on/off the infrared supplement light. If infrared light turns on, the icon  displays on the screen;



Note:

If you have selected auto turn on/off infrared supplement light in PC software, the light turns on automatically in low light environment.

Long press ▼ for 5S to enter AV output status. Through the special connecting cable, the files in the recorder can be played on the TV set, projector and monitor. In File Scan mode, short press ▼ key to move to the file below; in video playback mode, short press ▼ key to decrease the volume; in password input mode, short press ▼ key to decrease the digit.



⑦. USB/earphone connector: Open the cover on the connector, and plug the USB/earphone into the connector.

A. Connect the recorder to the PC with the USB cable, data exchange and charging can be realized.

B. Video can be output (AV OUT) through the specialized connecting cable.

C. When using the shoulder MIC, insert the earphone to receive the call from the same frequency.

⑧. RESET Key: Short press this key to turn off the recorder in the case of when the recorder breaks down due to any reason. Restart the recorder, it will be normal.

⑨. Belt clip: By adopting the 360° rotatable clip, the camera can rotate to any angle with the user's need. The recorder can be worn firmly in front of the shoulder or on the aiguillette.

⑩. Playback speaker

When playing back the videos in the recorder, the voice is amplified by the speaker.

⑪. High definition display screen: Used for displaying the relevant files, scanning the images and playing back videos.

⑫. Charging LED indicator: LED lights red when charging; Light green when finishing charge.

⑬. Infrared supplement light

When the light $\leq 0.1\text{LUX}$, the infrared supplement light can be manually turned on to supplement light.

The effective recording distance is $\geq 0.5\text{-}3\text{m}$.


⑭. High definition infrared camera: CMOS 12 million pixels, record continuously and take high definition photos. Rotatable mechanical light filter + infrared LED light supplement, ensures that the images taken in the dark environment will be clear and real. In normal environment, the picture will be vivid and real. The resolution of the record has the options of $1280 \times 720/800 \times 600/720 \times 480$; the resolution of the photo is 4032×3024 .


⑮. Rotatable infrared filter: The infrared filter is rotatable, which is used to amend the chromatic aberration in recording. (Note: If you turn on the infrared light under low light condition, you need to rotate off the cover.)

⑯. MIC Speaker: The voice is amplified through the speaker.

⑰. Shoulder MIC: Shoulder MIC can be connected to the recorder through the special connecting cable, and can be used to make a call and amplify the voice.

⑱. Record key

In any operative status (except "pass word" mode), press the  key and the display screen is activated to record the image.

The file will be saved as AVI format. During recording, press the  key again to "pause" it and the file will be saved automatically.



⑲. Charging the battery

This recorder has the large capacity built-in rechargeable Li-polymer battery pack. Two means of charging are available.

A. Charging with adapter:

Insert the bigger USB terminal into the adapter; connect the adapter to the appropriate AC power supply outlet; and then insert the smaller USB terminal to USB port on the recorder. Be sure the power is off when charging.

When USB terminal connects to the recorder, the recorder enters into "pass word" login mode, press ON/OFF key to pass this mode. During charging, LED indicator lights red while the charge indicator on the down-left LCD screen rolls (the recorder stays at operative mode);

After charging for 4.5 hours, Red LED indicator lights off, Green LED lights on, while the charge indicator on the down-left LCD screen stops to roll and presents in full grid (the recorder stays at operative mode), which means the battery has been fully charged. Pull out the USB terminal to finish charging.

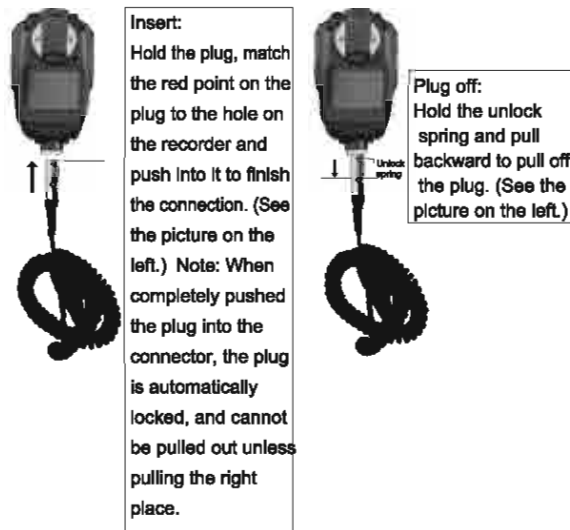
B. Charging with PC USB port: Connect the recorder to PC USB port with USB cable to charge the built-in battery.

Note:

- The battery is not charged in the factory. Please charge the battery completely for the first time.
- When charging the battery after buying or not using this machine for more than two months, charge it time after time to charge it fully.
- When the battery is fully charged or "Low Battery" is not displayed, do not charge it, otherwise it will affect the life and performance of the battery.

②. Connector for connecting two-way radio

This recorder can connect to the majority of the radios on the market through the movable pull-push auto-lock connecting cable. See the pictures below:

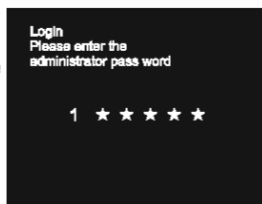


■ Programming Software Settings

◆ Files management

When the recorder connects to PC, "pass word" need to be input to login.

- ①. Connect the recorder and the PC with the USB line, the pass word interface displays.
- ②. Input the pass word: press ▲ or ▼ key to adjust the number; press ►| Key to move forward the cursor; press again to move away the cursor to confirm the password; when the pass word is confirmed, and enter into the online operation immediately.



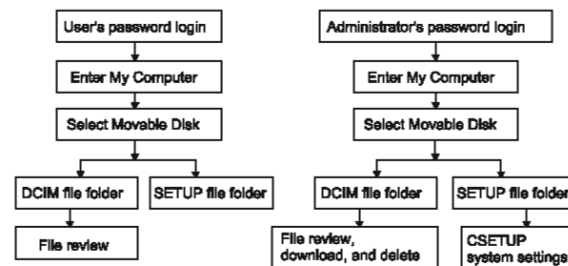
Note:

- User's default password is 123000. You have the right to view all the pictures, audios and videos files.
- Administrator's default password is 321000. The administrator has the right to view, download or delete all the pictures, audio and video files.
- You must input the password every time when connecting the recorder with PC, so as to ensure the safety of the data.

When the above picture displays, it means that the recorder is connecting with PC.



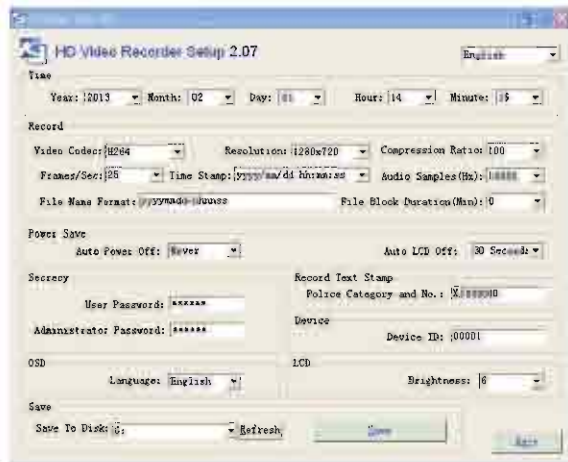
◆ Login steps



Note: You cannot view the files in SETUP file folder when using user's password, only using administrator's password.

◆ System setup

When logging in the system, the administrator can use Windows programming software CSetup.exe to program the recorder.



Note: The disk chosen in "Save to the disk" should be the one which the recorder is registered in PC.

The main menu of setup is an optional menu, which includes 8 options.

①. Option of programming language

At the up-right of the menu; Simplified Chinese and English can be chosen; the default language is Simplified Chinese.

②. Date and time

When connecting to PC, the recorder synchronizes the date and time automatically with PC.

③. Recording

The resolution are 1280*720/800*600/720*480 optional;

Frame rate are 20~30 frames per second optional;


The compressibility coefficient of the video is 40~100 optional.

④. Power save mode

To prolong the battery's working time, this recorder can turn off the backlight and power off automatically.

A. Backlight auto off (LCD standby time selection): the default setting is disabled. You can select 30S/1 minute/5 minutes.

After selected, save it. When the backlight is off, you still can record the video and audio. Press any key to activate the LCD and return to standby screen (except the PTT key).

B. Power off when idle: the default setting is 10 minutes (the recorder turns off automatically when no operation is done within 10 minutes). You can select 1 minute/5 minutes/10 minutes. After selected, save it. Long press ON/OFF key  to turn on the recorder.

Note: The PTT key can still be used in power save mode.

⑤. Security (double password management)

A: User's password: the default setting is 123000.

You can reset the password. Enter the new password, click "save", and then click "exit".

B: Administrator's password: the default setting is 321000.

You can reset the password. Enter the new password, click "save", and then click "exit".

The new password is valid when restart the recorder. You must remember the new password to avoid unnecessary trouble.

⑥. Name the video

Use letter to represent police class, and digit to represent police number.

⑦. Menu

Language: English and Simplified Chinese. You can choose any of the language according to your need.

⑧. Add equipment number

Through the software, you can number the equipments. This number will automatically display on the pictures. The administrator can edit these numbers.

⑨. Save

The disk chosen in "Save to the disk" should be the one which the recorder is registered in PC.

■ Maintenance and Cleaning

Although DSJ-A9 video/audio recorder can adapt to the severe environment, it should be maintained carefully and operated as the criterion requires in ordinary use, so as to realize the best performance.

◆ Be cautious to the camera lens and all the removable parts

Due to the special materials and construction design, camera lens, display screen and other parts are subject to be damaged. Therefore, do not overexert or press them when using. In the case of when the screen breaks, please be cautious not to be hurt by the broken glass, and to avoid of contacting the liquid crystal in the screen with your skin or letting them enter into your eyes and mouth.

◆ Battery

Please check the battery capacity before going out. If needed, please charge the battery. Do not charge the battery when its capacity is full, otherwise it will affect its performance.

◆ Cleaning

Lens	For lens and glass are fragile, avoid of touching them with your hands. Air blow plastic ball can be used to blow off the grime or winceyette. Clean soft cloth can be used to erase finger mark and the smudge which cannot be erased by the ball. Erase them from the center of the lens to the side.
Display screen	If need to erase finger mark or other smudge, please use the soft dry cloth, and be gentle.
Surface of the recorder	Blow off dust, smudge or sand particles with the ball, and then use soft dry cloth to clean it.

◆ Storage

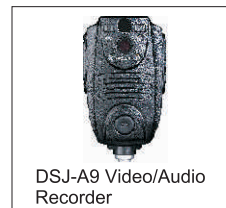
If you do not intend to use the recorder for a long time, please power off the recorder, and avoid storing it in the following places:

- Place where it will be close to the strong magnetic equipments.
- Place where the environmental temperature is below -10° or above 50°.
- Place where it is not ventilated and wet.
- For the purpose of avoid going moldy, take out the recorder at least one time a month, charge the battery, operate it and then store it.

■ Accessories

◆ Supplied accessories

Items	QTY	Remark
DSJ-A9 Video/Audio Recorder	1	
Adapter	1	
USB cable	1	
Instruction manual	1	
Belt clip bracket	1	



◆ Optional accessories

Items	QTY	Remark
Mobile charger	1	
Earphone	1	
AV OUT Video connecting cable	1	
Two-way radio connecting cable	1	



■ Technical Specifications

Camera	1/2.5" high definition CMOS sensor
Video resolution	Options: 1280*720/800*600/720*480
Frame rate	30 frame per second
Video format	AVI format
Image resolution	4032*3024 JPG (12million pixels)
Focal length	F=6.089mm
Angel	78 °
Focusing range	0.3m-limitless
Normal photoing condition	<0.1LUX, auto turn on infrared LED light
Storage medium	Built-in memorizer 8GB (Options: 16 GB/32 GB)
Display screen	2.0 inch, TFT LCD
Electric current	Power on: 240mA
	Recording: 380mA
Continuous working hours	8 hours
Standby hours	12 hours (power save mode)
Data port	High-speed USB 2.0 port
System setup	Time, frame rate, continuous photo, video parameter, encryption, upgrade, etc can be set through PC
Power supply	Built-in large capacity battery
Size	119*64*39mm
Weight	205g (with belt clip)/174g (without belt clip)

■ Troubleshooting

Problem	Causes	Solutions
Cannot be powered on	The battery power may be exhausted.	Please charge the battery for 4.5 hours.
	ON/OFF key is damaged.	Please send to the authorized service center for maintenance.
	Self-protection	Press RESET key, then press ON/OFF key to turn on the radio.
Cannot be read by PC	You have not registered the recorder.	When connecting to the PC with USB cable, the recorder will prompt you to enter the password. Please enter the correct password, and then confirm it to register.
	USB cable is damaged.	Please change a new cable.
Cannot copy the files.	Use the wrong password.	Register with the user's password, you can only check the files. Register with administrator's password to copy and delete the files.
Data copy intermit when connecting with PC	USB power supply of front panel is not enough.	Plug the USB cable to the back panel of PC.

■ Important Notice

Kirisun and our authorized partners own the intellectual property of all the parts of this product (include accessories). Any design and materials may not be modified, copied, extracted or translated without the authorization of Kirisun or its authorized parities.

Due to the update or modification of the product, Kirisun owns the right to change the specifications of software and hardware described in this manual without further notice. Specifications and information contained in this manual are for reference only.

Kirisun reserves the right to interpret the mistakes and errors occurring in this manual, though all the contents are checked carefully.

SAFETY

The recorder meets the following product safety and radio disturbance characteristics-limits and requirements:

IEC 60065:1998 Audio, Video and Similar Electronic Apparatus-Safety Requirements

IEC/CISPR 13-2001 Sound and television broadcast receivers

and associated equipment - Radio disturbance characteristics
- Limits and methods of measurement
IEC 61000-3-2:2001 Electromagnetic compatibility (EMC)
Part3-2: limits-limits for harmonic current emissions(equipment
input current \leq 16A per phase)
More details please search on the internet.

Use the Designated Accessories

Use USB cable and adapter supplied or sold by Kirisun only, or otherwise the data cannot be read or cause damage to the product.

If you want to purchase or replace the accessories, please contact your local dealer or Kirisun.

Product Operation Safety

Do not attempt to disassemble or modify this recorder, or it will get an electric shock or cause malfunction.

Keep the plug of the adapter in dry and clean condition; otherwise it will cause fire or electric shock;

Do not discard the recorder in the fire to avoid of explosion, for there is a built-in battery.

Note:

Note:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.