

Video Recorder Manual

(Ball-point pen Type)



Remark: This picture only for reference

1. Structure



1: Camera 2: Microphone 3: Operation button
4: Status Indicator 5: Reset 6: USB interface

2. Introduction

This ball-point pen is a high-definition video recorder with built-in memory. With simple operation, elegant design, small size, it is easy to carry. It is an essential utility in business, education, security, media, justice, tourism, health care, living and other field.

3. Operating

a. Parts Description:

a.1 Microphone and camera: Camera(1) is used to get the image signal; Microphone (2) is used to get the sound signal.

a.2 Button(3): Press the button for the power, start recording, stop recording.

a.3 Indicator(4): blue light is the data transfer status indicator; red light is the video recording status indicator.

a.4 Reset(5): If the video recorder stops responding, please use the suitable non-metallic tool to push the reset button.

a.4 Socket(6): The stand USB socket is used to connect with computer or charger. It is the interface for data transfer and charging.

b. ON/OFF: Press button (3) for 2 seconds to start the device. It gets into the video recording mode. Meanwhile the red video indicator is on. When the indicator light is on, press the button for 3 seconds. The red and blue lights are on at the same time, the device will automatically save the current video file and shutdown.

c. Record video: In the video mode, the device enters into the standby status for video recording. Now the red light is on. Press the button (3) for short time to start the video recording. The red light flashes slowly. When the red indicator light flashes, press the button for short time to stop recording and save the file. Afterward the red light returns to ON mode; In order to ensure the safety and the size of the file, the system will automatically save file every 50 minutes once, and continue the video recording.

Note: Make sure there is adequate light in the surrounding and the camera is not blocked by other items. Keep the camera upright and stable. And the object should be more than 50cm from the camera. In order to ensure good sound effect of recording, do not block the microphone hole.

d. Connect the computer: In standby or OFF mode, you can connect the device with the computer. The computer will pop up a removable disk logo. There is an image file directory for: * Disk \ _REC \ 100MEDIA. During video recorder and computer transfer data, the blue light flashes rapidly. For the disconnection, please click 'SAFELY REMOVE HARDWARE' on the right bottom corner of the task bar. Then click to stop the 'USB mass storage device'. Unplug the USB. The disconnection completes.

Note: According to the computer or system configuration, there will be slight difference for the time of identifying removable disk. Please be patient. During this period, please do not press the button to avoid the bad impact of computer hardware. If the computer does not identify the removable disk long time, disconnect and reconnect the device. If the computer is unable to identify the hardware yet, make sure your operating system, driver and USB cable are all in normal condition. Please

make sure to disconnect the device in accordance with the normal process to avoid the possible damage for computer and recorder.

- e. **Charge:** Connect to computer USB interface or charger. During the charging, the red light flashes slowly. When the battery is fully recharged, the red light stops flashing.

Note: The recorder is with built-in high-capacity lithium polymer battery. The battery is with no memory effect. It can be used and charged at anytime. But for the initial five times of charging, please charge battery to saturation after the battery runs out. It is to activate the battery maximum capacity and maintain the standard working time.

- f. **Set Time:** The video recorder provides the function to display the video recording time in video file. The format is as following: Year – month - Day: minutes: seconds. Time setting process is as following:

- f.1. Create a new file in ".TXT" format. Input the time in accordance with the following format 2008.07.15 16.10.28. The time is the current time at your location. Please double-check the text format in order to ensure the correct format..

- f.2. Rename the new text file as "time.txt".

- f.3. Connect the video recorder to the computer; wait until the computer appears a 'REMOVABLE DISK'. Copy the "time.txt" file to this storage device root directory.

- f.4. Disconnect this storage device. Restart the video recorder to complete the time setting.

- f.5. The set time will be saved to the video recorder.

- g. **Troubleshooting:**

When the storage space is insufficient, the blue light and red light flashes alternately about 5 seconds, then automatically save the current files and shut down. If you want to continue to use this video recorder, copy the necessary files to computer and delete the old documents in storage in order to free up enough storage space; When the battery is insufficient, the blue and red light flash alternately about 5 seconds, then automatically save the current files and shut down. If you want to continue to use the recorder, please charge the battery.

If the video recorder stops responding due to improper operation or other unexpected reason, please use the suitable non-metallic tool to push the reset button.

4. Parameters

Item	Parameters
Video format	AVI
Video encoding	M-JPEG
Video resolution	640*480 VGA
Video frame rate	30fps

Media playing software	Attached software of the operating system or Mainstream audio and video media playing software
The ratio of image	4:3
Supporting system	Windows me/2000/xp/2003/vista; Mac O/S; Linux;
Battery capacity	250mAh
Working time	About 85 minutes
Charging voltage	DC-5V
Interface type	Stand USB
Storage support	Nand flash
Battery type	high-capacity lithium polymer

5. Warning:

- **Application:** Please strictly abide relevant regulations and laws. This product should not be used for any illegal purposes. The user is fully responsible for its using purpose.
- **Battery:** If do not use this recording function after long time, please charged it fully before using.
- **File security:** This product is not a professional storage device. It does not guarantee the integrity and security of saved files. Please back up your important documents on the computer or other storage device timely.
- **Video quality:** This product is not a professional video recording device. It does not guarantee the video effect can meet your expectations.
- **Operating temperature:** 0—40°C.
- **Operating humidity:** 20% -80%. This product does not have the waterproof function. So it can not work under the humid environment,。
- **Shooting brightness:** Do not expose the camera directly to strong light, such as the sun light, to avoid damage to optical devices.
- **Cleaning:** Do not use it under the environment with high dust density to avoid the contamination of camera lens or other components. It may affect the working of camera. The camera lens can be cleaned gently by paper or cloth which is used to clean glasses.
- **Other matters:** The product belongs to sophisticated electronic products. Please make sure that it is not damaged by strong impact and strong vibration. Do not use it in the place with strong magnetic or strong electric power.
- **Note:** Please contact with your local dealer for other matters.