Turnigy TR800 (MiniDV) camcorder

1. Structure

1.1 Structural Detail
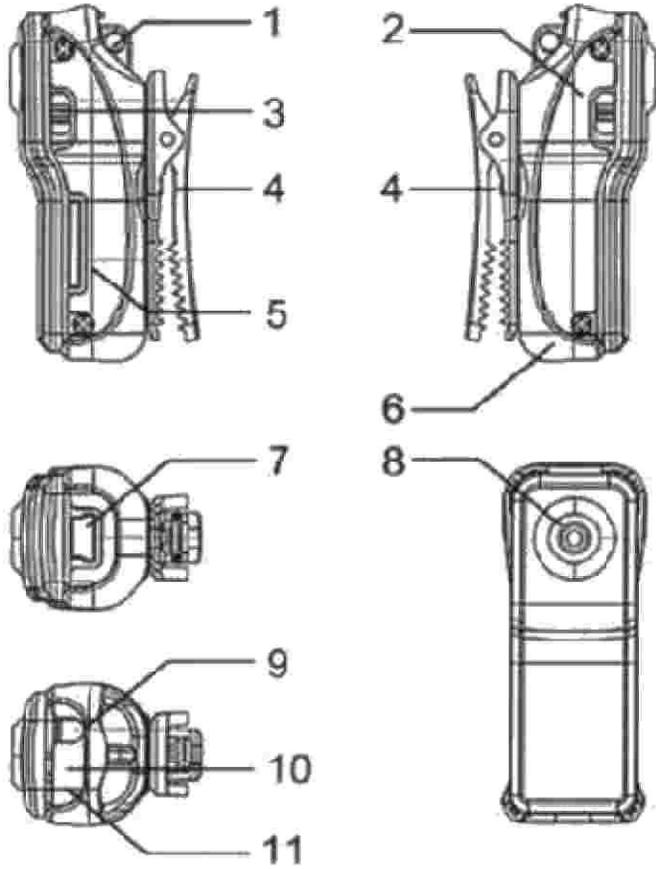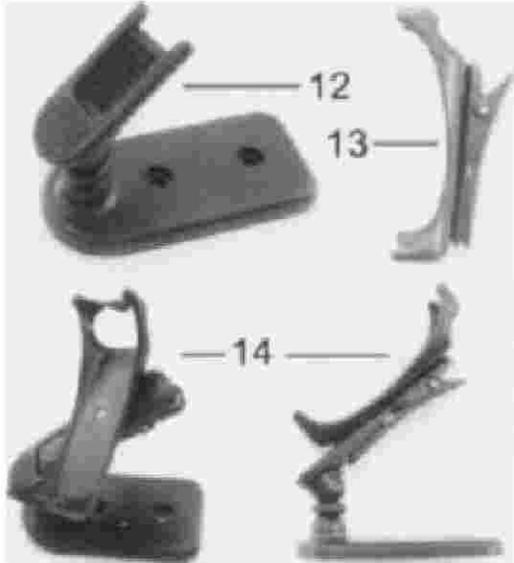

1: Lanyard Hole   2: Power   3: Mode   4:Clip
5:Micro SD   6:Rim   7: Mini USB 8: Camera
9:Operations   10: Status Indicator   11: Mic

1.2 Accessories

12: Foundation   13: Clip   14: Combination

2. Introduction

This Turnigy TR800 is a high-definition video recorder with simple button operation or sound control, elegant design, small size, and is easy to carry. It is an essential utility in business, education, security, media, justice, tourism, health care, living and other field.

3. Operation Guide

1. Charge

The TR800 is powered by a built-in lithium rechargeable battery, so please it charge it completely before using it the first time. The methods for charging follow:

1.) Computer: connect USB cable to the computer and the Mini DV, it will be charged automatically.

2.) Adaptor: connect USB cable to charger plug, then plug charger into electrical outlet, it will charge the Mini DV automatically.

When charging, the blue and red lights will light simultaneously, when charging is complete the red light will turn off and the TR800 will later enter the standby mode.

Notice: when battery power is too low, the TR800 will enter into protection mode, so it cannot be turn on until it is charged.

2. Power on to video

a. Press Power button slightly, the blue indicator light begins turns on and the TR800 enters into startup ready mode. The red light flashes rapidly to indicate that it is ready to record. It will enter standby mode within 45 seconds if no other controls are pressed.

b. Press Record/Stop (●/■) button slightly, the red indicator light immediately flashes quickly several times and then begins to record video, as indicated by a steadily flashing red light.

c. Press Record/Stop (●/■) button again, the video is stopped and saved automatically. After saving the blue indicator light remains lit. If you need to continue to video, please press the Record/Stop button slightly once more. The TR800 will quickly enter sleep mode with no use.

Notice:
a. Please make sure T-flash (Micro SD) card has been inserted, if not, the TR800 will power off automatically after 30 seconds.
b. The maximum capacity of T-flash card is 16GB.
c. Saving files takes time, after you press the Record/Stop button wait until the lights stop flashing before hitting other controls (otherwise you will get an incomplete file).
d. When you make a video, please focus on the object, keep back at least 50cm, and make sure there is sufficient light. Then the video will be bright, natural color, clear and stable.

3. Sound control video (optional)
a. Press Power button slightly, the blue indicator light begins turns on and the TR800 enters into startup ready mode. The red light flashes rapidly to indicate that it is ready to record. It will enter standby mode within 45 seconds if no other controls are pressed.
b. Press the MODE button slightly, and then you can switch into sound control video mode. Now blue light is lit, and the red indicator light flash quickly (indicate sound control standby mode).
c. When a loud sound (>60db) occurs, the TR800 will automatically begin recording, as indicated by a steady blue light and a slow flashing red light (Indicating video recording under sound control)
d. When sound control starts, the shortest shoot time is 2 minutes. After 2 minutes, If there still is loud sounds after 2 minutes, the TR800 will continue to shoot. If there is no loud sounds the TR800 will automatically the save file and switch into standby mode.

4. Time Set
There is a CD with the product (http://www.megaupload.com/?d=S8ZDIBBX) which contains a file named time synchronization file. Please copy it to TF card. When connecting the D001 with computer, whose time will be displayed with computer synchronously.
To set the internal clock perform the following:
1. build a text file called TAG.TXT under root directory of card.
2. open TAG.TXT, enter current date and time exactly as described below:
[date]   "you need to add a space at the end of this line"
2009/07/22   "you need to add a space at the end of this line"
12:00: 00
Next time you power on the TR800 the system will check for, and read TAG.TXT, then automatically set the system time according to file contents. The TR800 will automatically delete the TAG.TXT file after it sets the time. The time will remain set until the TR800 is turned off (not standby mode)

5. Power off
Under video mode or standby mode, please long press Power button 3 seconds, then release. The lights will go out and the machine will turn off.

6. Auto-power off function

MINI DV will save file and turn off automatically as following:
a. When you shoot video until the battery runs down.
b. When the TR800 runs out of disk space.
c. After 45 seconds in standby mode.

7. Connecting computer

The TR800 can be connected to a computer in power off mode, standby mode or video mode. Once connected can be accessed as a USB disk. You can then use your computer to copy, cut, paste and delete files.

When you connect it with through the USB port, a portable disk mark will be seen after several seconds.

Red indicator light always brights, yellow indicator light will be from flashed quickly to always brights.

Notice:

a. When you connect computer, if the TR800 is not recognized within 30 seconds, please remove it and insert it again.

b. It is better copy or cut video file into your computer hardware to play it. When a video file is played directly from the TR800 it will play unsmoothly, the reason is that large data files cannot be accessed synchronously.

8. PC Camera

When you first use the TR800 as a PC camera, please install driver. The driver name is SPCA1528_V2220_M...Setup.exe, it can be found in the attached CD. To install it, double click the driver document, and follow the instructions. After that there will be an AMCAP icon on the computer desktop.

Use USB cable to connect the TR800 to the computer, the mode is USB disk mode. Press the MODE button and the TR800 will switch into PC camera mode. Then double click on the AMCAP icon to use the TR800 as a PC camera.

9. Reset

If the TR800 begins to function in an abnormal manner or it hangs up, it will need to be reset. Use a thin object to press the Reset button, and then wait for the reset operation to complete.

10. Notice

Proper Usage: Please follow your state's law. Do not use it illegally. Software upgrade: In order to make products have more function, manufacturer will enhance product software continuously. This product is upgradable by users themselves, so please contact with local retailer for the latest software information and upgrade method.

Operating temperature: Please use it only in normal temperatures suitably for the human body.

Work humidity: Please use it only under agreeable human atmosphere humidity. Please not to get the product wet or expose it to rain without a waterproof enclosure.

Shooting illumination: Please use it under enough light sources; do not aim the camera at the sun and other strong light sources in order not to damage optical parts of an apparatus.

Cleaning requirements: Please not use the product under too large dust density atmosphere so as not to affect video effects for tainted lens and other parts.

Proper Disposal: Please pay attention to protect the environment, do not to dispose of the product improperly. In order to avoid explosion, please not throw product into fire.

4. Parameters

Item	Parameters
Video format	AVI
Video encoding	M-JPEG
Video resolution	720*480 VGA
Video frame rate	30fps ± 1 fps
Media playing software	Attached software of the operating system or Mainstream audio and video media playing software, recommend Kmplayer
Image ratio	4:1
Supporting system	Windows me 2000 xp 2003 \ ista; Mac OS 10.4;
charge pressure	DC-5V
Interlace to pc	Mini 5 pin USB
Storage support	Micro SD (TF)
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 mode 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 effect of the video file to have the professional quality
- Operating temperature: 0—40°C. For the extension of life, it is best used at room temperature.
- Operating humidity: 20% -80%. This product does not have the waterproof mode. 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