



Welcome to MVVR

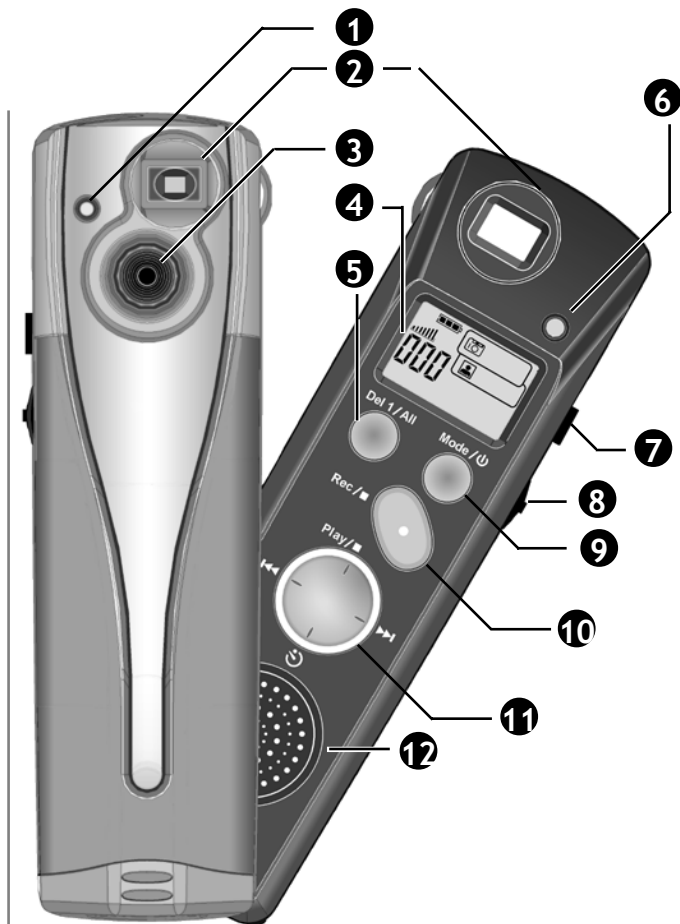
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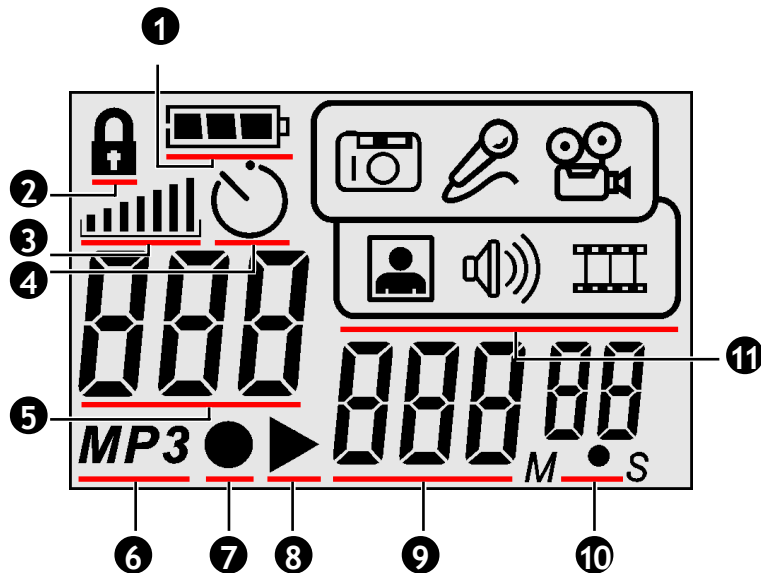
Know Your MVVR

1. Front LED
2. Viewfinder
3. Lens
4. LCD
5. Delete 1/Delete All
6. Rear LED
7. Hold
8. Volume/Info
9. Mode/Power
10. Record/Stop
11. Play/Stop, Prev. Chap./
Next Chap., Timer
12. Speaker



Know Your LCD Display

1. Battery Level
2. Locked
3. Volume Level
4. Self-Timer
5. Picture Counter
6. MP3
7. Recording
8. Playing
9. Minute Display
10. Second Display
11. Mode Indicator





Introduction

Thank you for using this MVVR. With this enjoyable multimedia companion, you can take pictures and short video clips, or record brief voice messages. With a USB-compatible computer, you can even use it as a MP3 player or PC-camera.

This MVVR is versatile, yet compact, allowing you to take it anywhere. You can also connect it to a TV set or a loud-speaker. We hope you will find this MVVR a daily source of pleasure.

Using It for the First Time

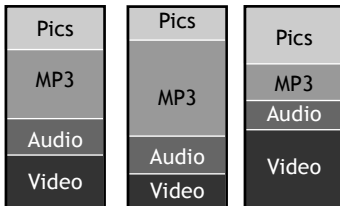
► *Power-On*

To use this MVVR, press the **Mode / ⏻** button. In a few seconds, you will see the main interface light up. You should reformat the internal memory by executing “delete all” the first time you use this MVVR.

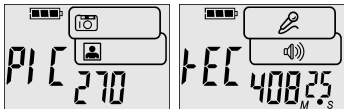
To shut off this MVVR, just leave it unused for a while and it will turn itself off. To reactive it, please press **Mode / ⏻** again.

► *Memory Capacities*

To improve memory-use efficiency, this MVVR has a memory pool of built-in, non-volatile memory (Flash memory). It is used by all modes. If you record some audio and video clips, you will not be able to take the maximum number of pictures.



Memory Allocation



Either 270 pictures or 408 minutes
and 25 seconds of audio.

► *Information Display*

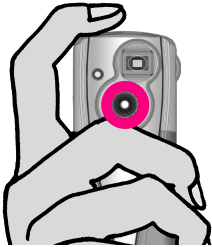
Press the volume dial in DSC or DVR mode to see the amount of remaining memory. The remaining picture count or maximum remaining length of time for voice recording in minutes/seconds will be shown. In this case, your MVVR can either record approximately up to 270 pictures *or* 408 minutes and 25 seconds of audio.

Digital Still Camera Mode

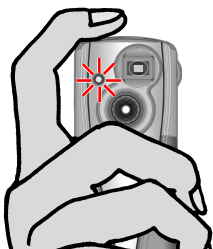
► *Taking Your First Picture*

Use the viewfinder to frame your subjects. Make sure your MVVR is in DSC mode, then press the shutter. The rear LED will light up for a couple of seconds. Your MVVR will be ready for the next shot when the LED is off.

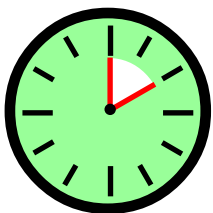
Because this MVVR is compact, your fingers may block the view of the MVVR's lens without notice. Be careful to keep your fingers from the lens to ensure that you do not obscure your sight with fingers.



Keep your fingers
away from the lens.




The front LED will blink before taking picture.




The self-timer is set to 10 seconds.

► *Using the Self-Timer*

This MVVR comes with a built-in 10-second self-timer. Press the  button, then the shutter, the picture will be taken after ten seconds. During this period, the LED in front will be blinking.

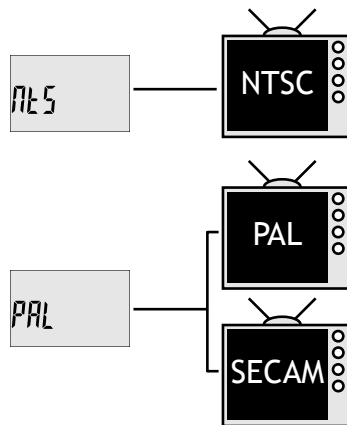
You can place this MVVR on its own camera stand before using the self-timer.

► *Playing Images On A Home TV Set*

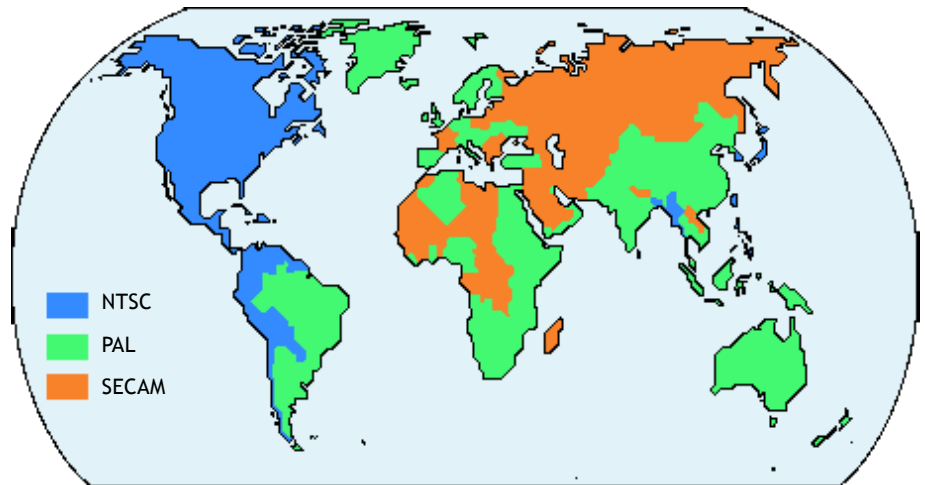
To connect this MVVR to a TV set, please use the supplied analog video cable. The video jack () is on the DVVR's left side. Most TV sets have RCA video-in jacks, which are compatible with this MVVR. If your TV set does not have one, you can connect it to a VCR (Video Cassette Recorder) and bypass the signal to your TV set.

► *Toggle Between NTSC and PAL*

NTSC (*NTS*) and PAL (*PAL*) are TV signal formats. NTSC is used primarily in North America and Japan. PAL is used in many West European countries including the United Kingdom and Germany. Instead of NTSC and PAL, France and many East European countries including Russia use another format simi-



You can toggle between NTSC and PAL to your TV set's preference.



Worldwide TV signal formats

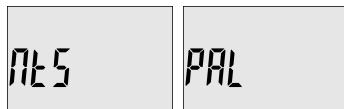
lar to PAL called SECAM. Normally, a SECAM TV set can also display PAL contents. So if you are in a SECAM country, you can set your MVVR to PAL. If you don't know which one to use, you can experiment. It will not harm your TV.



Correct



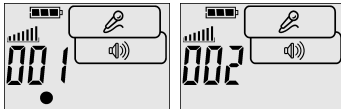
Incorrect



You can toggle between NTSC and PAL using the volume dial and the shutter.

If your TV does not properly display the pictures, press the volume dial and then press the shutter to select the right format.

If the video is only slightly distorted, you may need to check the connection between your MVVR and the TV set.



A bullet will be displayed during recording.

Digital Voice Recorder Mode

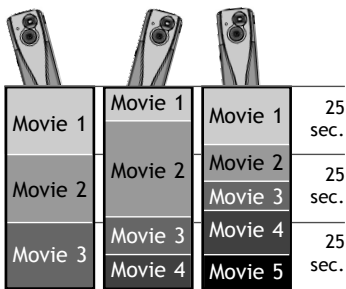
To record a message, press **Rec/**. A bullet will be displayed under the message number. To stop recording, press **Rec/** again or press **Play/**.

Press **◀** or **▶** to select a message. Press **Play/** to play the selected message. Press **Play/** or **Rec/** again to stop playing.

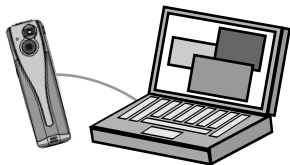
You can download prerecorded MP3 audio files to this DVVR. The imported MP3 files will be placed before recorded audio clips. Let's say you have recorded two audio clips, which are numbered one and two. After that you imported three MP3 music files. The three MP3 files will be displayed as MP3 one to three. Your audio clips will be just numbers one and two.

► *Volume Adjustment*

You can adjust playback volume by using the volume dial. To save energy, you may want to use earphone instead of the built-in speaker. The earphone jack (🔌) is on the DVVR's left side.



Three or more movies no longer than 25 seconds each.



You can use this MVVR as a PC camera.

Digital Video Camera Mode

This MVVR itself can take silent movies. You can even connect it to a computer to capture sound clips when in the PC Camera mode. You can take as many as three 25-second movies or many more shorter movies with this MVVR's internal memory.

The allowable maximum length of the clips is subject to memory usage and configuration.

► *Using It As a PC Camera*

You can connect this MVVR to a computer with its supplied USB cable and use it as a PC camera. The USB socket (🔌) is on the DVVR's left side. Please refer to the online manual for detailed instructions. With a compatible video capture program, you can use it to capture sound movies.

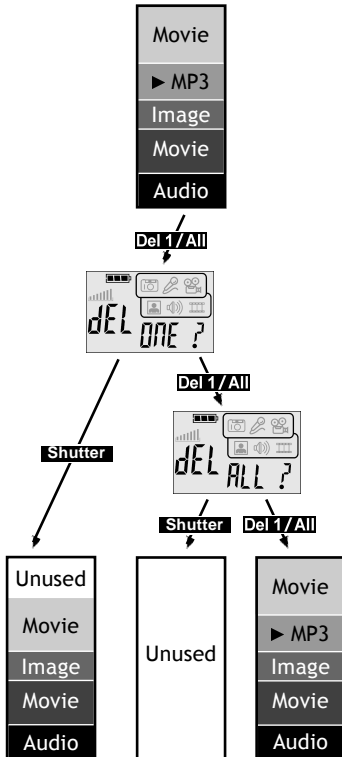
Other Functions (All Modes)

► To Delete One/All Images and Recordings

Press **Del 1/All** once, you will be asked if you want to delete current file. Press it the second time, you will be asked if you want to delete all files including images and sound/video recordings as well. If you want to keep the files, press **Del 1/All** again, you will return to the main menu. Or if you want to delete file(s), please press the shutter to confirm.

► Hold

Push the Hold slider up to lock all keys. If you are playing anything, the MVVR will continue playing it to the end. If you are recording audio, the MVVR will continue recording until it uses up all available memory.



It's easy to manage your files using DEL functions.

► *Connecting It To A Computer*

With a computer, you can export/import multimedia files to and from this MVVR. Please refer to the online manual for instructions on using the driver software.

Specifications

Internal Memory:	16 MB
Image Sensor Type:	CMOS
Dimensions:	133 mm x 37 mm x 31 mm (L x W x H)
Focusing Range:	60 cm to infinity
Weight:	110 g (including batteries)
I/O Interface:	USB 1.1
Batteries:	2 AAA alkaline batteries
Picture Count:	Up to 250-270 frames
Audio Recording Time:	Up to 6.5 hrs
MP3 Playing Time:	About 16 minutes (subject to files' compression ratios)
Video Recording Time:	Three or more sections, each section up to 25 seconds. Total length no more than 75 seconds.
Frame Rate:	320 x 240, 8 fps (stand alone mode) 640 x 480, 15 fps (PC camera mode)