RadioShack®
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Digital Recorder
with Camera

OWNER'S MANUAL —
Please read before using this equipment. **14-1197**

INTRODUCTION

Your RadioShack 130-Minute Digital Recorder with Camera is ideal for quick note taking. Its light weight and ultra-small size make it easy to slip into a pocket, briefcase, or purse. You can use it at school, at business conferences, or anywhere on the go. You can start recording manually, set the recorder so sound activates recording, or program delayed recordings. With 8 MB of built-in memory, the recorder provides up to 130 minutes of recording time in SP (Standard Play) mode and 30 minutes in HQ (High Quality) mode. The built-in digital camera lets you take pictures and transfer them to your PC.

! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

⚠ **— Warning** **! — Important** **— Caution**
— Hint **— Note**

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Level 2 Heading

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PC Data Transfer Kit — included USB PC link lets you upload or download recorded voice and image files to and from a PC.

Built-in Mic — eliminates the need to carry an additional microphone.

1/3" CMOS Image Sensor (326,688 pixels) — saves VGA (640 × 480) images using Wavelet, the latest compression algorithm.

VIP (Voice In Picture) Recording — records voice into picture data.

Automatic Focus and Exposure — lets you easily take pictures.

Flash Memory — retains all data even without power.

Repeat Play — plays a message or a part of a message as often as desired.

Scan Play — plays the beginning of each message for 5 seconds successively.

Automatic Power Off — automatically turns off the power if you do not press any button.

Stereo Phone Jack — lets you use an optional earphone or headphone to listen to messages privately.

Built-In Speaker — lets you play back notes anywhere.

The FCC Wants You to Know

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

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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.
- Consult your local RadioShack store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your recorder.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

You must use shielded interface cables with this equipment.

Material you record is for your personal use or pleasure only. It is prohibited to record copyrighted material without permission of the copyright holders according to copyright law.

FCC Declaration of Conformity

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.

Product:	Digital Recorder with Camera
Model:	14-1197
Responsible Party:	RadioShack 100 Throckmorton Fort Worth, TX 76102
Phone:	817-415-3200

PREPARATION

INSTALLING BATTERIES

Your recorder requires two AAA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

1. Slide the battery cover in the direction of the arrow.
2. Place the batteries in the compartment as indicated by the polarity symbols (+ and –) marked inside the compartment.
3. Replace the cover.

When the batteries are low, ▭ appears and the recorder automatically shuts off. Replace the batteries.

⚠ WARNING ⚠

Dispose of old batteries promptly and properly. Do not burn or bury them.

CAUTIONS

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

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CAUTIONS
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- If you do not plan to use the recorder for a month or longer, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

NOTE
If you do not press any button for 30 seconds in camera mode or 3 minutes in recorder mode, the recorder automatically shuts off to save battery power. If this occurs during time setting, your setting is not saved.

Setting the Clock

1. Press **POWER** to turn on the recorder.

   When you turn on the recorder for the first time, **--Y** flashes for about 20 seconds. If it disappears after the 20 seconds or if you want to reset the clock, hold down **MENU** until **00Y** (year digits and Y) flashes.

2. While **--Y** (or **00Y**) is flashing, repeatedly press (or hold down) ◀◀ or ▶▶ to set the year, then press **MENU** to store the setting.

3. Repeat Step 2 to set the month, day, and time.

Connecting Earphones

You can use an optional mono earphone or headphones with a 1/8-inch (3.5-mm) mini-plug for

private listening. You can also use an earphone to monitor a recording in progress. Your local RadioShack store carries a wide selection of earphones.

Insert the earphone's plug into the recorder's 🎧 jack. The built-in speaker automatically disconnects.

Listening Safely

To protect your hearing, follow these guidelines when you use earphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.

NOTES

- Hours are shown in 12-hour format. For example, set 1 AM as 1:00 and 1PM as P 1:00. You can change to the 24-hour format by pressing the clock icon in the PVR Manager. (See “PVR Manager Icons” on Page 40.)
- The time appears briefly each time you turn the recorder on. To read the time while the recorder is on, hold down **POWER** for 2 seconds. Holding down **POWER** after the time appears turns the recorder off.

- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

- Do not wear earphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.
- Even though some earphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

Connecting an External Microphone

You can use an optional microphone with a 1/8-inch (3.5-mm) plug to extend the recording range. Your local RadioShack store carries a wide selection of microphones.

Insert the microphone's plug into the recorder's **MIC** jack. The built-in microphone automatically disconnects.

Attaching the Wrist Strap

Thread the strap's small loop through the holes on the bottom of the recorder. Slip the larger end of the strap through the smaller loop. Pull the larger loop to tighten it.

LOCKING THE RECORDER'S CONTROLS

You can lock the recorder's controls so you do not accidentally change any settings. To lock the recorder's controls, slide **HOLD** in the direction of the arrow. **HOLD** briefly appears and appears at the bottom of the display. To unlock the recorder's controls, slide **HOLD** in the opposite direction of the arrow.

RECORDER OPERATION

The recorder has one folder for image files and two folders (A and B) for message files. The folder for images can store up to 250 standard image files and the folders for messages can store up to 100 messages each. To select message folders, see

NOTE
If you try to record more than 100 message files or 250 image files in one folder, **FULL** appears.

"Setting the Recording Options" on Page 13

To turn on the recorder, press **POWER**. If appears, the recorder is in camera mode. To select voice recorder mode, press **POWER** again. disappears

SETTING THE RECORDING OPTIONS

The recorder's special features and file organization tools are accessed through the options menu. These options include Folders, Recording Mode, Microphone Sensitivity, Voice-Operated Recording System, Programmed Recording, File Lock, and Continuous Play.

1. Repeatedly press **MENU** while the recorder is stopped to cycle through the options menu.

NOTES

- If you do not press any button for about 5 seconds, the recorder automatically exits the options mode.
- Image and message files share the same memory. The maximum number of image files changes depending on how many message files are in the memory.

2. While **FOLD** (Folders) appears, press ◀◀ or ▶▶ to select Folder **A** or Folder **B**.

3. While **MOD** (Recording Mode) appears, press ◀◀ or ▶▶ to select **SP** or **HQ**. You can record up to 130 minutes in SP mode and 30 minutes in HQ mode.

4. While **MIC** (Microphone Sensitivity) appears, press ◀◀ or ▶▶ to select **HI** or **LO**.

5. While **VOS** (Voice-Operated Recording System) appears, press ◀◀ or ▶▶ to select **ON** or **OFF**. (See "Using Voice-Operated Recording System (VOS)" on Page 17.)

6. While **PRO-R** (Programmed Recording) appears, repeatedly press ◀◀ or ▶▶ to select **OFF**, **5M**, **10M**, **15M**

or **20M**. (See “Programmed Recordings” on Page 18.)

7. While **OFF LOCK** (File Lock) appears, press ◀◀ or ▶▶ to select **ON** or **OFF**.

8. While **Conti** (Continuous Play) appears, press ◀◀ or ▶▶ to select **ON** or **OFF**.

Recording Messages

1. Press **POWER** to turn on the recorder. The current date and time briefly appear.

2. If the camera icon appears at the upper left corner of the display, press **POWER** (**PAUSE/DISPLAY**) to select the recorder mode. The number at the top line indicates the current message file number and the number at the bottom line indicates the recording

time of the current message.

3. Press **REC/STOP**. Recording begins. The display shows the current folder name (**A** or **B**), the current message number, the recording mode (**HQ** or **SP**), and the elapsed recording time.

4. To temporarily stop recording, press **PAUSE/DISPLAY**. **PAUSE** appears. To resume recording, press **PAUSE/DISPLAY** again.

5. During recording, you can press ◀◀ so the recording starts from the next file number.

6. Press **REC/STOP** to stop the recorder.

NOTE
The recorder automatically turns off if it is set to pause for more than 30 minutes.

7. Hold **POWER** until the display disappears to turn off the recorder.

Using Voice-Operated Recording System (VOS)

1. Turn on the voice-operated recording system. (See "Setting the Recording Options" on Page 13.)
2. Set the mic sensitivity if necessary. (See "Setting the Recording Options" on Page 13.)
3. Press **REC/STOP**.

When the recorder detects a voice input, it automatically starts recording. When the voice input stops, the recorder automatically stops recording within 1 second and enters standby mode.

NOTE

If you set the mic sensitivity to **HI**, ambient noise might cause the recording to continue.

Programmed Recordings

1. Turn on programmed recording. (See “Setting the Recording Options” on Page 13.)
2. Hold down **REC/STOP** until **PRO-R** appears. The recorder starts recording after the preset time.
3. To cancel the programmed recording, press **REC/STOP** again.

Locking Message Files

To prevent messages from being accidentally erased:

1. Select the message you want to lock.
2. Repeatedly press **MENU** until **OFF LOCK** appears, press ◀◀ or ▶▶ to select **ON** or **OFF**.

Displaying Recording Information

While the recorder is stopped, hold down **PAUSE/DISPLAY** until the current date and time appear.

To display the recorded date and time of a file, select the file and press **PAUSE/DISPLAY** while the current date and time appear.

To display the remaining available recording time, press **PAUSE/DISPLAY** again while the recorded date and time appears.

Editing Messages

Adding to the End of a Message

1. Select the message you want to add to.

2. Press **PLAY/STOP** to play the message.

3. Hold down **REC/STOP** for more than 1 second. **Add-R** appears briefly. Recording starts immediately from the end of the selected message.

Dividing a Message File

1. During play, press **PAUSE** at the point where you want to divide the message.

2. Hold down **MENU** until **OFF dIV** appears.

3. Press ◀◀ or ▶▶ so **OFF** changes to **On**.

4. Press **MENU**. The next number and **STOP** appear. For example, when file 4 is successfully divided, **05 STOP** appears.

Combining Message Files

You can combine two successive message files into one file.

1. Play back the first message file and press **PAUSE**.
2. Hold down **MENU** until **OFF dIV** appears then press **MENU** again so **OFF JOIN** appears.
3. Press ◀◀ or ▶▶ so that **OFF** is changed to **ON**.
4. Press **MENU**. The file numbers and **JOIN** briefly flash, followed by the lower of the two numbers and **STOP**. For example, if file 3 and 4 are successfully combined, the display briefly flashes **03 + 04 JOIN**, followed by **03 STOP**.

NOTES

- You cannot divide a file less than 2 seconds long.
- If the file number exceeds 100, **FULL** appears and editing is canceled.
- The recording dates of the two divided files are the same.
- If the file is locked, the lock is applied to both files.
- If there is not enough remaining memory, you cannot divide a file.

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NOTES
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- The recorded date of the first message file number remains in the combined file.
- If either of the files is locked, the lock is applied to the combined file.
- You cannot combine files made using different recording modes. For example, you can not combine a file recorded in HQ mode with one recorded in SP mode.

Moving a Message File

1. Play back the message file you want to move and press **PAUSE**.
2. Hold down **MENU** until **OFF diV** appears, then press **MENU** twice so **OFF MOV** appears.
3. Press ◀◀ or ▶▶ so **OFF** changes to **ON**.
4. Press **MENU**. **A-00** appears.
5. Repeatedly press ◀◀ or ▶▶ until the desired file number position appears.
6. Press **MENU** to move the file.

Playing Back Messages

1. Repeatedly press (or hold down) ◀◀ or ▶▶ until the

message number that you want to play back appears.

2. Press **PLAY/STOP** to start playback.
3. Press **VOLUME +** or **–** to adjust the volume.
4. To temporarily stop playback, press **PAUSE/ DISPLAY**. To resume playback, press **PAUSE/ DISPLAY** again.
5. To stop playback, press **PLAY/STOP**.

Resume Play

When you press **PLAY/STOP** during playback, the recorder remembers the position. When you press **PLAY/STOP** again, the recorder starts playing the message from the point where you stopped it. If you press any button other than **PLAY/STOP**, that memory is lost.

NOTES
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- File locations start with **A-00** or **B-00** as the first location, **A-01** or **B-01** as the second, and continue in this fashion throughout the folder.
- The recorder automatically turns off if it is set to pause for more than 30 minutes.

Fast-Forwarding/ Rewinding

To fast-forward through a message during playback, hold down ◀◀ for more than 1 second.

To rewind through a message during playback, hold down ▶▶ for more than 1 second.

The recorder continues fast-forwarding or rewinding as long as you hold down ◀◀ or ▶▶.

Using Forward Skip/ Reverse Skip

To skip forward or backward to a message, repeatedly press (or hold down) ◀◀ or ▶▶ until the desired message number appears.

Scanning Messages

Press **PLAY/STOP** for more than 1 second. The recorder plays back the first 5 seconds of each message.

Repeat Play

To repeat the current message, press **MENU** for more than one second during play. ↻ appears. To cancel the repeat, press **PLAY/STOP**.

Repeating Part of a Message

1. During play, press **MENU** at the point where you want to start the repeat. ↻ A appears.
2. Press **MENU** again at the point where you want to finish the repeat. B appears. The recorder automatically repeats the selected part.
3. Press **PLAY/STOP** to cancel the repeat.

NOTE

If you do not designate point B, the recorder repeats between point A and the end of the message.

Continuous Play

1. Turn on continuous play. (See “Setting the

NOTES

- If you do not press any button for 30 seconds in camera mode, the recorder automatically shuts off to save battery power.
- If you do not press any button for about 5 seconds during the options mode, the recorder automatically exits options mode.
- Image and message files share the same memory. The maximum number of image files changes depending on how many messages are in the memory.

Recording Options" on Page 13.)

2. Press **PLAY.** The recorder plays all files in the current folder starting with the selected file. For example, if you have five files and select file 01, the recorder plays all five files. However, if file 03 is selected, the recorder plays only 03, 04, and 05.

CAMERA OPERATION

To change from voice recorder to camera mode, press **POWER**. appears in the display.

Setting the Image Compression Mode

1. Press **MENU**. SP MOD (standard mode) or HQ MOD

(high quality mode) appears.

2. Press ◀◀ or ▶▶ to select the mode. You can store up to 250 images in standard mode and 126 in high quality mode.

TAKING A PICTURE

1. Press **PAUSE/DISPLAY** or press **CAPTURE** for more than 1 second until the camera icon appears. The indicator in the viewfinder lights red for several seconds, then changes to green to indicate that the camera is ready.
2. Hold the unit horizontally so the view finder is at the left and the display is toward you.
3. Press **CAPTURE** to take a picture.

NOTES

- For best results, point the camera away from direct sunlight.
- You cannot take a picture while the indicator lights red.
- Hold the camera still when you press **CAPTURE**, or the image quality might be affected.

The top number on the display indicates the current image file number. The bottom number indicates the remaining number of image files or the recording time of the current file.

Locking Images

To prevent images from being accidentally erased:

1. Select the file you want to lock.
2. Press **MENU** twice. **OFF LOCK** or **ON LOCK** appears. Then press ◀◀ or ▶▶ to select **ON** or **OFF**.
3. Press **MENU**. The image number and LOCK appear.

Adding a Message to an Image File

1. Press ◀◀ or ▶▶ to select the image file to which you want to add a message.

2. Press **REC/STOP** to start recording.

3. Press **REC/STOP** again to stop the recording.

Listening to the Attached Message

1. Press ◀◀ or ▶▶ to select the image file.

2. Press **PLAY/STOP** to play the message.

3. Press **PLAY/STOP** again to stop.

NOTE

When adding a message to an image file, the recording mode is preset to standard mode. You cannot select high quality mode.

ERASING FILES

NOTES

- You cannot erase a file or all files in a folder if they are locked.
- If you erase an image file with a voice message, the voice message is also erased.

ERASING A SINGLE FILE

1. With the recorder stopped, select the file number you want to erase.
2. Hold down **ERASE** until **ERASE** flashes. When the file is a message file, the recorder plays back the beginning and the end of the message for a few seconds.
3. Press **ERASE** again while **ERASE** flashes to delete the file.

ERASING ALL FILES IN A FOLDER

1. Select the folder you want to erase.
2. Hold down **ERASE** and **REC/STOP** until **ERASE** appears and **ALL** flashes.

3. Press **ERASE** again while ALL flashes.

Erasing All Files

1. With the recorder stopped, hold down **ERASE** and **REC/STOP** until ALL CLEAR flashes.

2. Press **ERASE** again while ALL CLEAR flashes.

CAUTION
This procedure clears all the files in all folders, including locked files.

USING THE RECORDER WITH A PC

System Requirements

Processor: Pentium 133 MHz or better

OS: Windows 98 (with Internet Explorer 5.0 or higher)/ Windows Me/Windows 2000/ Windows XP

Interface Port: USB

NOTE
To update Internet Explorer 4.0, visit *http://windowsupdate.microsoft.com*.

Hard Disk: Minimum of 100 MB free

MEMORY: More than 32 MB RAM

CD ROM Drive: More than 4X

Sound Card: Microsoft Windows Compatible

Video: SVGA (800×600) – More than 16 Bit Color Display

Installing PVR Manager

You must install PVR Manager before connecting the recorder and the PC. Close any open applications before installing PVR Manager. The USB driver is automatically installed when you install PVR Manager and connect the recorder to the PC.

1. Place the RadioShack PVR Manager DR-97

NOTES

- The installation procedure might vary, depending on your computer's operating system.
- If you are installing the software on Windows 2000 or Windows XP Professional, you must log on as the administrator. The installation must be done by the administrator until the PC is rebooted and the recorder is connected to the PC.

CD-ROM in the CD-ROM drive.

2. Double-click the **CD-ROM** icon in the Explorer window, then double-click the **Setup** icon.

3. Install RadioShack PVR Manager by following the on-screen instructions.

4. After setup is complete, click **OK** on the screen and remove the CD-ROM from the CD-ROM drive.

Uninstalling PVR Manager

1. Click **Start/Settings/Control Panel**, and double click **Add/Remove Programs.**

2. Follow the on-screen instructions to uninstall the PVR Manager.

CONNECTING THE RECORDER TO YOUR PC

Connect the recorder to your PC by plugging one end of the supplied USB cable into the **USB PORT** on your recorder and the other end of the cable to your PC (refer to your PC's owner's manual for the location).

On Windows XP, **Found New Hardware Wizard** appears to prompt you to install Reset Driver. Confirm that **Install the software automatically** (**Recommended**) is selected and follow the instructions to install the driver. After the Reset Driver is installed, **Found New hardware Wizard** appears again to prompt you to install USB Flash memory Controller. Confirm that **Install the software automatically** (**Recommended**) is

selected and follow the instructions to install the driver.

USB Connection Failure

If **New Hardware Found** or **Windows has found new hardware and is locating the software for it** appears, the USB driver might not be installed properly. Follow these steps to install the USB driver.

For Windows 98/Me

1. Click **Start/Settings/Control Panel**, then double click **Add New Hardware** and follow the instructions on the wizard.

2. When **Do you want Windows to search for your new hardware?** appears, select **No, I want to select the hardware from a list** and click **Next**.

3. Among hardware types, select *Universal Serial Bus Controllers* and click **Next**.

4. When **Select the manufacturer and model of your hardware** appears, click **Have Disk**.

5. On the *Install From Disk* screen, click **Browse**.

6. After selecting the disk drive, open the *USB_STEP_1* folder and click **PortRst.inf** and **OK**.

7. When installation is complete, click **Finish**.

8. Double-click **Add New Hardware**, select and opent the *USB_STEP2* folder. Click **fnd1197.inf** and **OK**.

9. When installation is complete, follow the instructions on the wizard.

For Windows 2000/XP

1. Connect the recorder to the PC if it is not connected.
2. Click **Start/(Settings)/ Control Panel** switch to Classic View if necessary, then double click the System icon.
3. Select **Hardware/Device Manager**.
4. Choose *?Other device*, then click **?USB Device**.
5. Click the right button of the mouse on **?USB Device**.
6. Select *Uninstall* and click **OK** to confirm. The USB driver is deleted.
7. Disconnect the recorder from the PC. Then restart the PC.

8. After restarting the PC, connect the recorder, then the USB driver will be automatically installed.

If you cannot play a HQ mode voice file from the voice player screen, follow these steps to install the MI-SC4 driver.

> **NOTE**
> For Windows 2000/ XP, uninstall PVR Manager then install it again instead of following the steps.

1. Click **Start/Settings/Control Panel** and double click **Add New Hardware**, then follow the instructions on the wizard.
2. When **Do you want Windows to search for your new hardware?** appears, select **No, I want to select the hardware from a list** and click **Next**.
3. When **Select the type of hardware you want to install** appears, select **Sound, video and game controller** and click **Next**.

4. When **Select the manufacturer and model of your hardware** appears, click **Have Disk**.

5. On the *Install From Disk* screen, click **Browse**.

6. After selecting the disk drive, open the *HQ_Driver* folder and click **mi-sc4.inf** and **OK**.

7. When installation is complete, follow the instructions on the wizard.

PVR Manager Structure

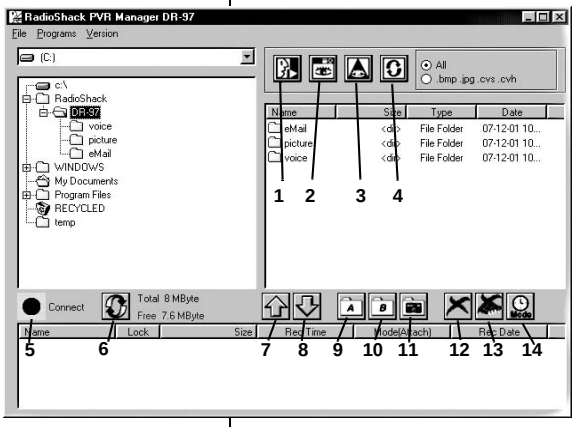
The supplied RadioShack PVR Manager DR-97 software consists of the following programs:

Image Window Program — Lets you display uploaded image data from each folder in one screen.

Image Viewer Program — Lets you display and edit captured image data.

Voice Player Program — Lets you play back recorded voice files.

PVR Manager Icons



1. **Voice Player Icon** – Starts the Voice Player program.

2. **Image Window Icon** – Starts the Image Window program.

3. **Image Viewer Icon** – Starts the Image Viewer program.

4. **Folder Refresh Icon** – Updates the data to the PC.

5. **Connection Indicator** – Indicates the connection status between the recorder and the PC.

6. **Refresh Icon** – Refreshes the connection between the recorder and the PC.

7. **Upload Icon** – Uploads selected files from the recorder to the PC.

8. **Download Icon** – Downloads selected

voice files from the PC to the recorder.

9. **Voice A Folder Icon** – Displays the files in Folder A of the recorder.
10. **Voice B Folder Icon** – Displays the files in Folder B of the recorder.
11. **Camera Folder Icon** – Displays the files in the recorder's Image Folder.
12. **Erase Selected File Icon** – Erases the selected file.
13. **All Erase Icon** – Initializes the recorder.
14. **Clock Mode Icon** – Switches the time display between 12- and 24-hour formats.

Running PVR Manager

1. Double-click the **RadioShack DR-97** icon or click **Start/Programs/ RadioShack/DR-97/PVR Manager**. The PVR Manager starts and the main window automatically appears.

2. To exit RadioShack PVR Manager, click **File/Exit**.

Uploading Files

1. To save uploaded files in the PC, voice, picture, and email folders are automatically created under *C:/RadioShack/DR-97* when PVR Manager is installed. Specify one of the folders so the folder opens. If you do not specify a folder, files will be uploaded to the *DR-97* folder.

NOTE

Once the recorder and the PC are connected with USB connecting cable, **Connect** appears. If the connection did not work or was obstructed, **Link Error** appears. If this happens, click the Refresh icon.

2. Click **Voice A Folder**, **Voice B Folder**, or **Camera Folder** to display the files in the folder.

3. Select the file(s) you want to upload.

   To upload many files at the same time, press **Shift** and click the first file and the last file.

   To select many files which are not successive, press **Ctrl** and click the desired files.

4. Click the **Upload** icon to start uploading.

File Names

File names follow this convention:

Folder	Voice file (SP mode)	Voice file (HQ modes)	Image file
A	*A001.cvs*	*A002.cvh*	
B	*B001.cvs*	*B002.cvh*	
Image			*P0001.cis* **(Uploaded image files are renamed following the convention *P0001.bmp*.**

If you upload a Voice In Picture (V.I.P.) file, it is divided into separate voice and image files (for example, *P0001.cvs* and *P0001.bmp*).

CAUTION

If you change the name of a V.I.P. image file in the PVR Manager, you must change the voice file name at the same time. Otherwise, the PVR Manager will not recognize them as related files.

If a file name already exists in the specified PC folder when you upload a file, the next file number is automatically assigned to it.

Opening Uploaded Image Files

To open an image file, double click it in the picture folder of the PVR Manager. The Image Viewer program opens (see “Using the Image Viewer” on Page 48.) To open a voice file, double click it in the PVR Manager’s voice folder. The Voice Player opens (see “Using the Voice Player” on Page 52.)

Downloading a File

1. Select a voice file which you want to download from the voice folder.

2. Select the download destination (**Voice A Folder** or **Voice B Folder).**

3. Click the **Download** icon.

Erasing Files

To erase individual files, select the files you want to erase from the recorder's folder and click the **Erase Selected File** icon. To erase all data from the recorder, press the **All Erase** icon. All data except the time set-up will be erased.

USING THE IMAGE WINDOW

To open the Image Window, click **Programs/Image Window** on the PVR Manager. If you select the picture folder, all image files in the folder appear.

If you double click the file which you want to open, the Image Viewer program and the selected image file opens.

NOTES

- Downloaded files are sequentially re-numbered and the new number is used as the file name. If you download a file with prefix A to Folder B, the prefix changes to B.
- If the total number of files in the recorder and the files to be downloaded is over 100, **Current PVR Folder is Full!** appears.
- If you try to erase a locked file, a warning message appears. Click **Yes** to erase the file.

Using the Image Viewer

To open the Image Viewer, click **Programs/Image Viewer** on the PVR Manager.

Image Conversion

Bright/Contrast – To increase brightness or contrast of the image, drag either the *Bright* or *Contrast* control clockwise. To decrease the brightness or contrast, drag either control counterclockwise.

Color Balance – Adjusts the image color balance.

Rotate – Lets you rotate the image in 90, 180, or 270° angles.

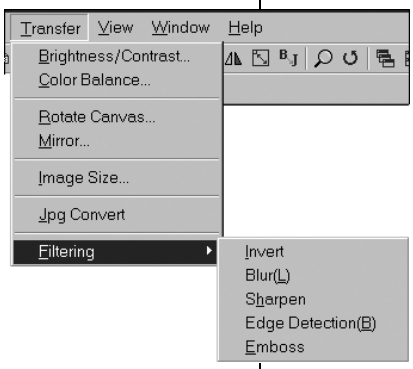
Mirror – Flips the image left or right, up or down.

Image Resize – Resizes the image based on

dimensions you enter. Unlike Zoom In/Out, it changes the image data.

JPG Convert – Converts a BMP to JPG to save storage space and speed email transmissions.

Filtering



To access the filtering tools, click **Transfer/Filtering.**

Invert – Converts the image between positive and negative status.

Blur – Softens the image.

Sharpen – Raises the image's contrast.

Edge Detection – Marks the outline of objects with brightness and makes other parts dark.

Emboss – Makes the boundary of the image three dimensional.

Copying a Selected Area

To copy a part of opened image file, click **Edit/CopySelection/ Area Selection** and select the screen area you want to copy by dragging the mouse and clicking **Edit/Copy Selection/ Area Copy**. Another image file with a different file name will be created in the Image Viewer.

To cancel the screen area selection, click **Edit/Copy Selector/Area Selection** again.

Adjusting the Image Size

Zoom In/Zoom Out – Changes the size of the image on the Image Viewer screen without changing the image data.

Original Size – Reverts the zoomed image into the original size.

Aligning Windows

Cascade Align– Aligns image files in a cascade format.

Horizontal Align– Aligns image files horizontally.

Vertical Align– Aligns image files vertically.

NOTE

To send a voice file, open the voice file, then click **Send/Send Mail** and follow the on-screen instructions.

If the voice file is a .cvs file (SP mode), it is automatically converted to an .exe file so the recipient can play it with the Voice Player. If the voice file is a .cvh file (HQ mode), it is automatically converted to a .wav file so the recipient can play it using widely-available software such as Microsoft Media Player.

About V.I.P. Files

When you open a V.I.P. file on the Image Viewer, the red clip icon appears at the upper left corner. Click this icon. The voice player opens.

Using the Voice Player

To open the voice player, click **Programs/Voice Player** on the PVR Manager.

Opening and Playing Back a Voice File

1. Click **File/Open** and select the voice file to open it.
2. Click ▶ to play back the voice file.

If you click and drag the play bar, the selected file will be played from the part where the icon is located.

Fast Forward and Reverse

To reverse or fast forward, click ◀◀ or ▶▶ during playback. As you press the icon, 5 seconds of the recorded section is skipped in the forward direction or backward direction.

Adjusting Volume

Drag the **VOL** bar up or down to adjust the volume level.

Hot Key Operation

To Do This	Press These Keys
Play	**Ctrl+Alt+F2**
Reverse	**Ctrl+Alt+F3**
Fast Forward	**Ctrl+Alt+F4**
Stop	**Ctrl+Alt+F5**

SENDING AN E-MAIL

1. If the image file is BMP, change it to JPG to make the file smaller. (See

"Image Conversion" on Page 48.)

2. Click **File/E-Mail**.
3. Follow the instructions on the windows.

To send a V.I.P. file, open its voice file using the Voice Player, click **Send/Send Mail** to convert it to an .exe file, then attach the image file.

TROUBLE SHOOTING

Problem	Suggestion
Nothing happens after pressing a button.	Make sure **HOLD** is set in the opposite direction from the arrow.
	Make sure that fresh batteries are correctly installed.
There is no sound.	Make sure the volume is turned up.
	Make sure an earphone is not connected to the recorder.

Problem	Suggestion
The recorder will not record. FULL appears when there should be ample space.	Make sure the number of recorded messages in the selected folder has not reached 100.
	Confirm there is remaining recording time. (See “Displaying Recording Information” on Page 19.)

CARE

Keep the recorder dry; if it gets wet, wipe it dry immediately. Use and store the recorder only in normal temperature environments. Handle the recorder carefully; do not drop it. Keep the recorder away from dust and dirt, and wipe it with a

damp cloth occasionally to keep it looking new.

Moisture condensation may occur inside the product or lens. When dew appears, turn the power off and allow at least one hour for the product to dry. Use air blowers and lens paper designed for photographic lenses to clean the lens and optical elements.

SERVICE AND REPAIR

If your recorder is not performing as it should, take it to your local RadioShack store for assistance. Modifying or tampering with the recorder's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

SPECIFICATIONS

Image Sensor ..... 1/3-Inch CMOS

Resolution ..... 640 × 480 pixels (VGA)

Image Capacity (SP) .. 250 images

Image Capacity (HQ) . 126 images

Lens F/3.2

Focus Range ..... 2.0 m to Infinity

Min. Illumination ..... 2.5 lux (Image Sensor)

Exposure ..... Automatic

View Finder ..... Optical

Recording Time (HQ) .. 30 minutes

Recording Time (SP) 130 minutes

Max. File No. to Record ..... 2 Folder × 100 Files

Frequency Response: 500 Hz–3,500 Hz

Max. Output Power ..... 200 mW at 10% THD

Speaker ..... Dynamic, 28 mm

Dimensions (HWD): $4^{7}/_{16} \times 1^{11}/_{16}$ x 3/4 Inches (112 × 42 × 18 mm)

Weight (w/o battery) ..... 2.2 oz (61 g)

Memory Medium ..... Built-In Flash Memory

Power Source ..... DC 3V, Two AAA Alkaline Batteries

Battery Life (Camera) ..... Approx. 150 images at intervals of one minute of capture

Battery Life (Recorder) ..... About 9 Hours (SP)/ 16 Hours (HQ)

Operating Temperature 32° – 110°F (0° – 43°C)

Accessories ..... USB Cable, CD, Wrist Strap

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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