

User's Manual

For

PV-BT878P+

PV-BT878P+ W/FM

DOC NO: 54-878P+-04 Rev.I

00/09/20

FCC Requirement



This device has been certified to comply with the limits for a Class B computing device pursuant to Subpart J of Part 15 of the FCC Rules. See instructions if interference to radio reception is suspected.

WARNING: This equipment generates and uses radio frequency energy and, if not installed or used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio or television reception.

It has been tested and found to comply with the limits for a Class B compliant device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause 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 the receiving antenna
- Relocate the computer away from the receiver
- Move the computer away from the receiver
- Plug the computer into a different outlet so that the computer and the receiver are on different branch circuits
- Ensure that the card's mounting screws, attachment connector screws, and ground wires are tightly secured
- Ensure that slot covers are installed in all unused slots

If necessary, consult your dealer, service representative, or an experienced radio/television Technician for additional suggestions.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. It is the responsibility of the user to correct such interference.

The user may find the following booklet prepared by the Federal Communications Commission helpful:

How to Identify and Resolve Radio-TV Interference Problems.

This booklet is available from the Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

NOTE: You must use shielded interface cables with a ferrite bead in order to maintain compliance with the limits for a Class B device.

CAUTION:	CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT
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Our company warrants this product against defects in materials and workmanship for a period of one (1) year from the date of purchase. During the warranty period, a product determined by us to be defective in form or function will be repaired or at our option, to be replaced at no charge. This warranty does not apply if the product has been damaged by accident, abuse, misuse, or as a result of service or modification other than by us.

This warranty is in lieu of any other warranty expressed or implied. In no event shall we be held liable for incidental or consequential damages, such as lost revenue or lost business opportunities arising from the purchase of a this product.

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1. Feature

Fully PCI Rev 2.1 compliant.

Supports Windows 95/Windows 98.

Supports **NTSC**, **PAL** or **SECAM** video formats.

Full TV frequency range for CATV/VHF/UHF.

FM band coverage from 87.5 to 108MHz (Only for PV-BT878P+W/FM).

Supports Philips brand desktop camera.

Combined S-Video & Composite Video and Audio Inputs.

Supports planner YUV data format.

VBI data capture for closed captioning data decoding.

Includes software teletext decoding.

Supports BTSC, MTS or NICAM audio decoding (Optional).

Supports QuartzSight Camera (Optional).

2. System Requirements

Intel Pentium 90MHz or higher, and compatible computer.

Mainboard with Intel 430FX chipset or higher.

PCI local bus PnP 2.1 compliant.

SVGA support higher than 640x480/Hi-color.

Sound Card support for audio mix functions.

Cable/VHF/UHF antenna.

Windows 95/Windows 98.

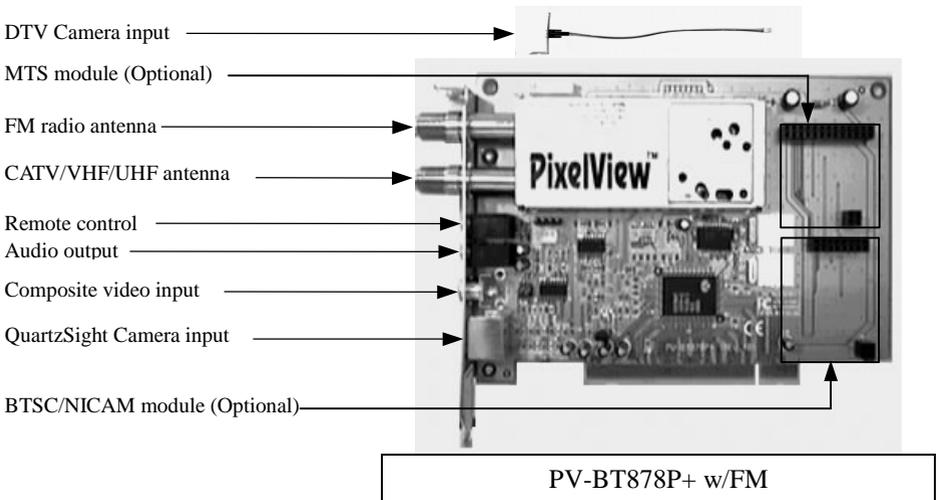
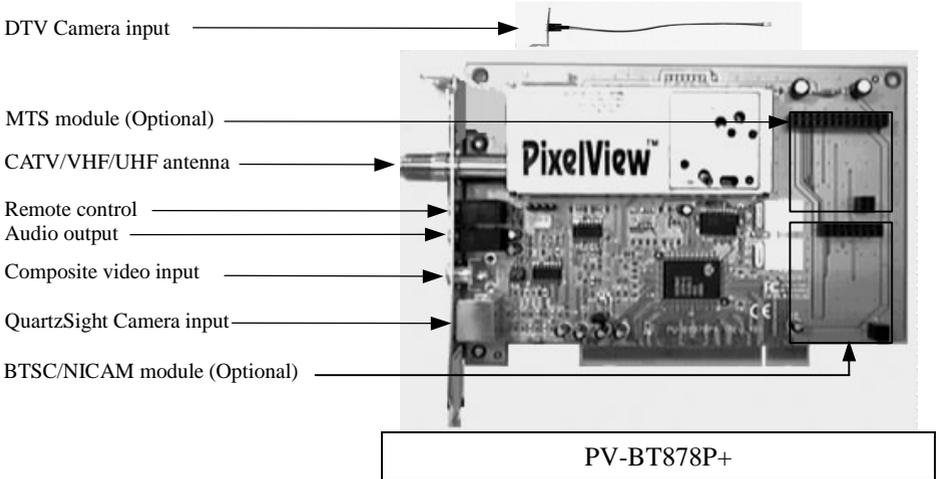
DirectX Ver 5.0 or higher.

Minimum Hard Drive free space of 10MB.

3. Specifications

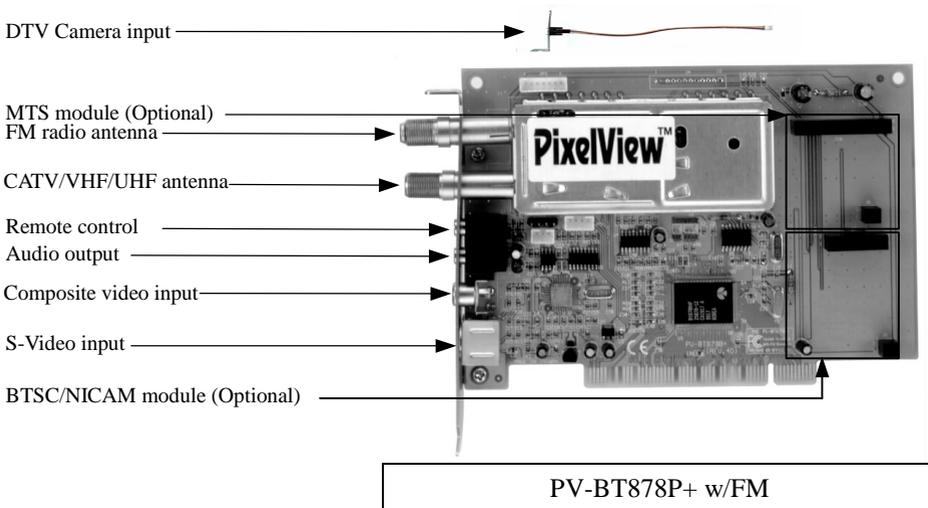
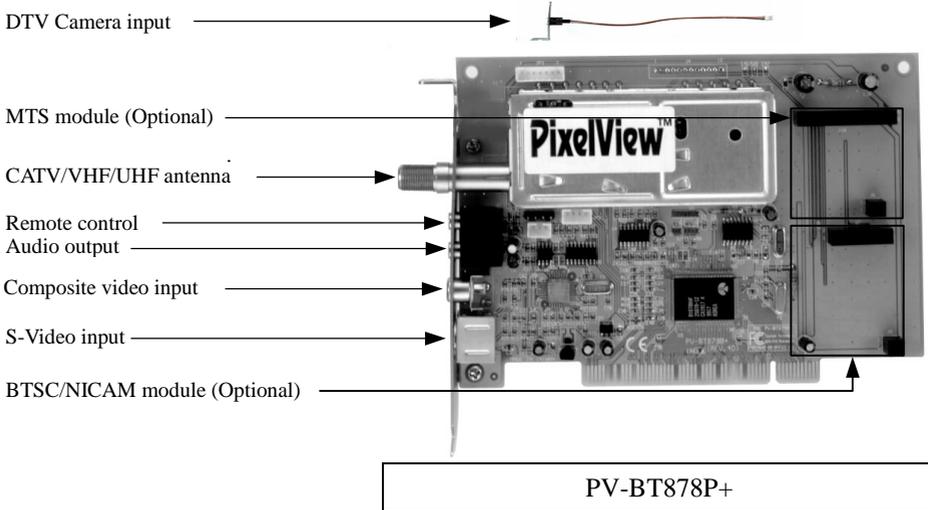
Type A

This model supports two types of video inputs: Composite and QuartzSight Camera input. This TV Tuner card allows you to watch TV, FM radio (Option) and capture video.



Type B

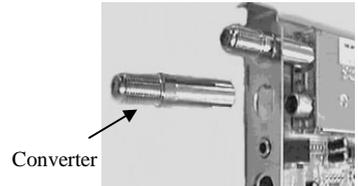
This model supports two types of video inputs: Composite and S-Video. This TV Tuner card allows you to watch TV, FM radio and capture video.



4. Hardware Installation

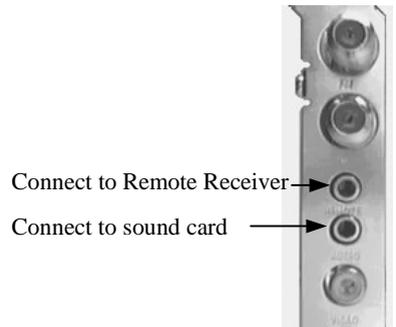
1. Turn off your computer **FIRST**. Remove the case and insert this TV tuner/Capture card into your computer's PCI slot. Make sure the adapter card is well seated in the slot, then fasten it with screws. Then Replace case.

2. If inserting the card into the slot is difficult. You can **REMOVE** the Converter from TV Tuner and FM feature to allow for the installation of this card. Once the card is firmly in place **REPLACE** the Converter(s).



3. Connect the CATV/VHF/UHF antenna and FM radio antenna to the tuner-input port of adapter.

4. Plug one end of audio cable into 'AUDIO O/P' input and the other end plugs into the 'LINE IN' of the sound card.



5. Plug in Remote Receiver into 'Remote'.

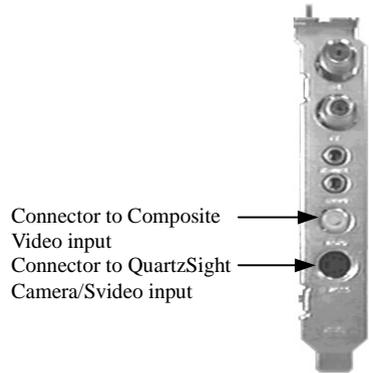
Caution :

When you plug-in or remove the connector of the receiver every time, please make sure your computer is power off.

6. After completing the above, you may begin to install the software.

4.1 Connecting to other video devices

This TV tuner/Capture card provides for two-types of Video Input. One for Composite Video input and the other for S-Video input.

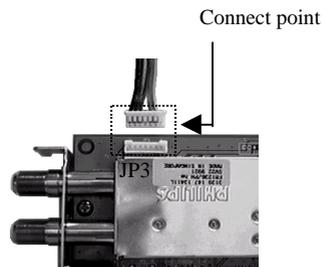


4.2 Connecting to a Philips brand desktop camera

The adapter has a special connector for the Philips desktop camera. It is for other bracket set DTV bracket set to connected Philips desktop Camera (DTV Camera), for easy installation and use.



Philips Camera (DTV Camera)



4.3 Connecting to a QuartzSight Camera (Optional)

4.3.1 Introduction

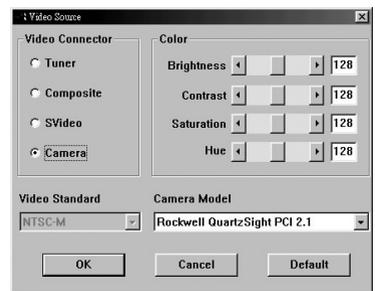
The QuartzSight Camera incorporates a highly-integrated colorized CMOS image sensor module capable of delivering a digital video stream at frame rates, of up to 30 frames per second. In addition to a colorized 356 x 292 pixel image sensor array, it includes on-chip circuitry to drive and sense the array. The output stage of the sensor contains a two stage flash 8-bit A/D converter. The sensor module sends digital video data and receives control data via a 9-wire cable terminated with a 9-pin miniature DIN connector.

4.3.2 Feature

- Outputs a 356x292 (CIF) colorized pixel block
- Automatic black level calibration
- Programmable exposure and gain
- 9-wire digital interface
- Maximum capture frame rate : 30 frame/sec

4.3.3 Camera Installation

1. Plug end of the QuartzSight Camera cable into the 9-pole mini-Din connector from PV-BT878P+.
2. Change video source to the **‘Digital Camera’**, and select camera model with **‘Rockwell QuartzSight PCI 2.0’**.



5. Software Installation

5.1 Windows 95/98 driver Installation

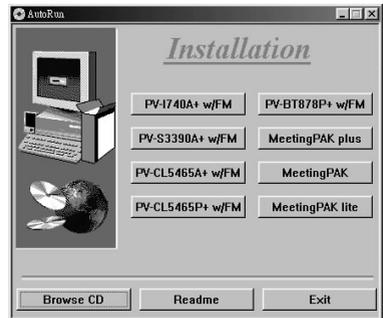
1. Turn on your computer and let it boot up with Windows 95/98.

2. Your Windows 95/98 will detect the newly added hardware and will show the following message on your monitor.



3. Click '**Remote Cancel**' or press '**ESC**' to skip the wizard.

4. Put the AutoRun driver into CD-ROM (waiting for a few seconds).
Click your product name on the Installation window.



5. Click '**Install Driver**'.



6. Click '**NEXT**' on every message box.

-
7. Chose **‘Yes, I want to restart my computer now’** and click **‘Finish’** to restart Windows.



8. After restart your Windows. Windows will detect the newly added hardware and Wizard will searched a driver for this new hardware.
Click **‘Next’** on every message box.



9. Click **‘Next’** on every message box.
Don't select any locate and Click **‘Next’** on every message box.



10. Click **‘Finish’**.



5.2 DirectX Media Installation

1. It's not necessary to reinstall DirectX Media, if it is already in your system or you don't use WinVCR. If you want to install DirectX Media, click-on '**DirectX Media**'.



2. DirectX Media setup program will auto install.

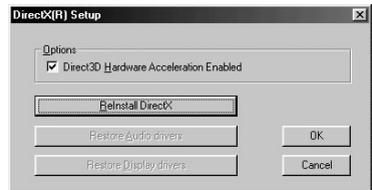


5.3 DirectX Installation

1. It's not necessary to reinstall DirectX, if it is already in your system. If you want to install DirectX, click-on '**DirectX**'.



2. Click '**ReInstall DirectX**'.



3. After DirectX installation finished, Windows will restart. If you have other programs under executing, please save files and exit those programs.

6. PixelView Station

6.1 What is PixelView Station

PixelView Station application is a 3 in 1 station which includes TV, Capture, and FM radio functions. The user interface of the station is designed to resemble a consumer Car Stereo. Thereby, allowing you to access and enjoy these three applications on your PC system rather easily.

6.2 System requirements

PixelView Station application comes with the PV-BT878P+. It has been carefully and successfully designed to work well with this adapter card. Without this specific TV Tuner card, this software may not work properly.

6.3 Video Display Windows

The video display window is shown initially in a 320 x 240 scalable and moveable window format.

1. Full screen display

By *double clicking-on* the video display window, you can change it to a full screen, and *double clicking* again, Restores the original video window size.

It may not function for some incompatible VGA cards with resolution other than 640 x 480. Please update the VGA driver or try another more compatible one.

2. Drag and drop

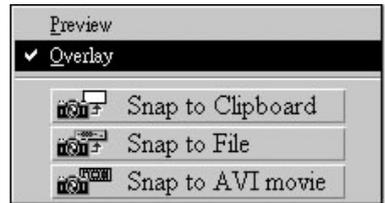
To MOVE the video display window, just click the left mouse button and move the TV window anywhere on the screen and release the left mouse.

3. Dynamic sizing

To RESIZE the video display window, just move the mouse to the corner of the display window and resize as general windows program and the video display window will be dynamic resized.

4. Capture Video

To capture video, simply click the right mouse button on the video display window and a pop-up menu will be shown, please refer to Capture to Clipboard, .BMP and .AVI options.



5. Customize TV Frame

A. To **Add** a TV frame, **Check** the TV frame.

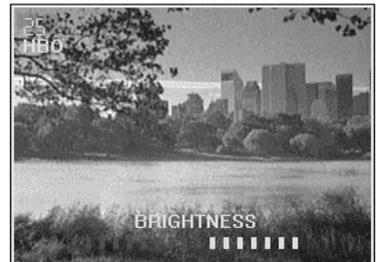


B. To **Remove** the TV frame, **Uncheck** the TV frame.



6. OSD interface (On Screen Display)

You can fine tune the channel frequency or change the **Brightness**, **Contrast**, **Saturation** or **Hue** through the keyboard or through the optional Remote Control.



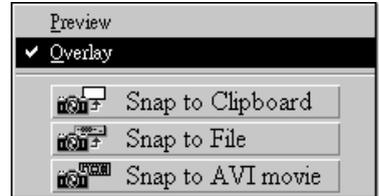
- A.  Click to **Change** the mode you want to adjust.
- B.  Click to **Reset** the **Default values**.
- C.  Click to Fine tune a **Previous** adjustment.
- D.  Click to Fine tune a **Next** adjustment.

6.4 Capture to Clipboard and AVI files

With the Video Capture functions, you can grab sensational PC still images or AVI movies from any TV, VCR or camera. It is just as simple to view and playback captured video.

1. Simply *click-on* the right mouse button from the video display.

Window and a pop-up menu will appear.



- A.  Snap to Clipboard *Click to Copy* the image to Clipboard.
- B.  Snap to File *Click to Save* the image as .BMP or JPEG file.
- C.  Snap to AVI movie *Click to Save* a video sequence as .AVI file.

2. Video Capture Function keys

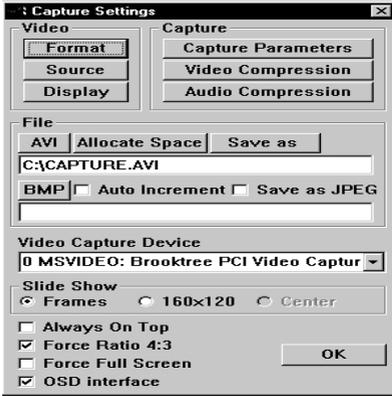
Click-on the **Control Panel** to invoke the capture functions

- A.  or  *Click to Copy* the image to the clipboard.
- B.  or  *Click to Save* the image as .BMP or JPEG file.
- C.  or  *Click to Play* captured AVI files.

3. Setting Capture Parameters

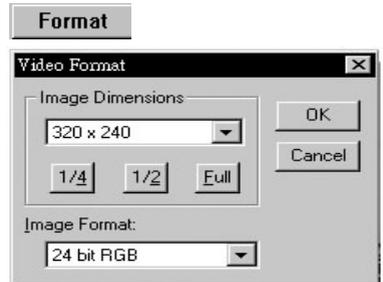
To set capture parameters such as **Frame Rate**, **Recording / Capture Times**, **Memory** usage, **Drop Rate**, and **Exit** methods.

6.5 Capture Settings



1. Video Format

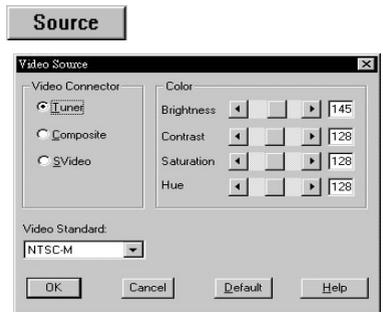
Click-on 1/4, 1/2, or **Full** to Set/Change the Video Image size.



2. Video Source

Click-on to select the Video Input source: **TV Tuner**, **Composite Video**, or **QuartzSight Camera / S-Video**.

You can change the **Brightness**, **Contrast**, **Saturation** or **Hue** by using the various scroll bars and viewing the effect on your video monitor.



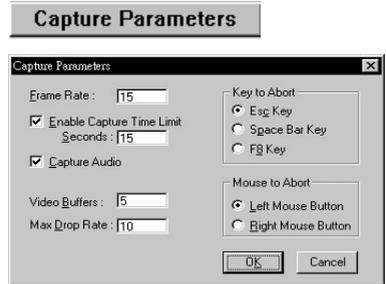
3. Video Display (NTSC only)

Click-on to set the Optional **Closed Caption** feature (NTSC only).



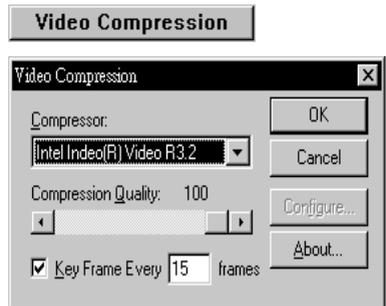
4. Capture Parameters

Click-on to set **Capture Parameters** such as **Frame Rate**, **Recording / Capture Times**, **Memory** usage, **Drop Rate** and **Exit** methods.



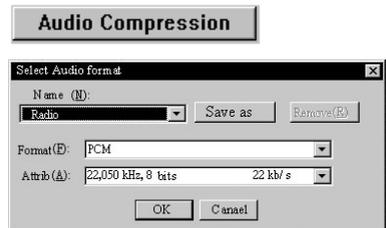
5. Video Compression

Click-on to select the .AVI video compression driver that is installed in your system. This will reduce some of the quality, but it will allow you to save more files. Also, use shorter Record/Capture times when sending videomail to others.



6. Audio Compression

Click-on to select the .AVI audio sampling format that is installed in your system. This will reduce some of the quality, but it will allow you to save more files. Also use shorter Recording/Capture times when sending videomail to others.



7. AVI filename

AVI

Click-on to set and save the filename of the captured video file. The filename will be shown in the dialog box; the Default file is: **Capture .AVI**. The captured .AVI file will be overwritten by the next captured .AVI file.

8. Allocate File Space

Allocate Space

Click-on to set the Captured file size, in MB.

9. Save as

Save as ...

Click-on to save a Previous .AVI file under a different filename.



10. BMP filename

BMP

Click-on to save the filename as a still image. The filename will be shown in the dialog box. The Default file is **Capture.BMP**.

11. BMP Auto Increment

Auto Increment

Click-on to enable the Auto Increment feature to number the files automatically after each .BMP file is captured. If this parameter is disabled, the captured .BMP file will be overwritten by the next captured .BMP file.

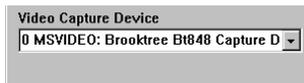
12. Save as JPEG

Save as JPEG

Click-on to convert a .BMP file to a JPEG file automatically as a .BMP file is being captured. The .BMP file will then be erased to save space on the hard drive.

13. Video Capture Device

Shows the video capture devices that are installed in your system. Please use the drop down menu to select another device if more than one video capture cards are installed in the system. It will take one or two seconds to connect the capture device.



14. Slide Show Function



Slide shows consists of 160 x 120 video images at 15 frames per second in a full screen display. 16 windows are shown in a screen of 640 x 480 resolution, and up to 100 windows shown in a screen of 1600 x 1280 resolution.

A. There are three types of **Slide Shows**:

FRAMES: Are shows viewed in sequential frames.

160 x 120: Are shows viewed in a 160 x 120 video image display window.

CENTER: Are shows similar to the FRAMES show, except with a Enlarged Center display window.

6.6 TV Control / Capture Applications



The TV Control and Video Capture applications are used with the capture cards that have a TV tuner module. Please refer to the following section.

6.6.1 Input Source Select and Video Mode

1.  *Click* to **Exit** the TV application.

2.  *Click* to **Minimize** the Control Panel.

3.  *Click* to enable Online **Help**.

4.  *Click* to **Mute** or **Enable Audio**.

5. Video Source 

To choose a Video Source Input *click-on* the corresponding button, from the **Source** menu.

- A.  The **Cable Input**.
- B.  The **Antenna Input**.
- C.  The **Composite Input**.
- D.  The **Camera Input**.
- E.  The **S-VHS Input**.

-
6. The Information on LCD (Liquid Crystal Display)
Shows the current TV channel number and TV station. Also, indicates if the reception is in stereo sound.

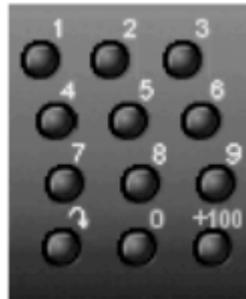


6.6.2 TV Channel functions

1. Two-digit Channel Number Selecting

For **Channel selecting**, please use the fast channel selector. Which are the Numbered buttons to the left of the LCD. They allow the user to select two-digit channels. For example:

To select channel 38, *click* on "3" then "8".
To select channel 7, *click* on "0" then "7" or *click* on "7".



2. Channel Select

- A.  *Click-on* to return **Previous** channel.
- B.  *Click-on* to **Accept** the channel input.
- C.  *Click-on* to **Channel Up**.
- D.  *Click-on* to **Channel Down**.

3. Audio Mixer

- A.  *Click-on* to **Increase** the volume.
- B.  *Click-on* to **Decrease** the volume.

4. Favorite Channel



5. Memory Favorite channels

- A.  *Click-on* to select a **Memorized** channel.
- B.  ...  *Click-on* to make a **Memorized** channel a favorite current channel.

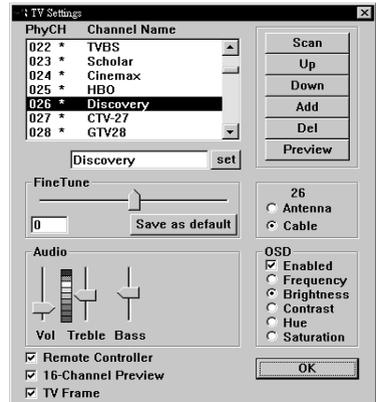
6. Recall Favorite channels

- To switch to your **Memorized Favorite** channels, *click* on the following buttons.
- A.  *Click-on* to select your **First** favorite channel.
 - B.  *Click-on* to select your **Last** favorite channel.

6.6.3 TV Channel information

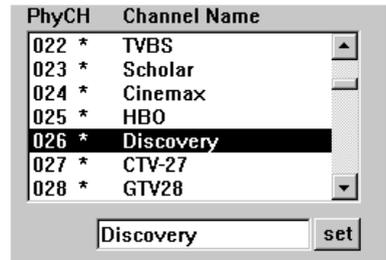
1. TV Settings

The TV Settings menu are advanced functions that allow you to pre-program the various TV tuner settings for your viewing pleasure.



2. TV Channel Block

To Block a channel from being viewed, Please scroll through the list of TV channels. To select a channel *Click-on* the left mouse button. The channel name will then be copied to the Edit text box. *Click-on* the SET button to update the channel name.

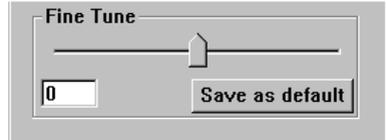


To **Enable** or **Disable** a TV channel: Please Highlight a chosen TV Channel, then *double click* the left mouse button. An asterisk (*) will appear, if the channel is **Enabled**. A **Disabled** channel will be **skipped** when the Channel Up or Down arrows are used.

3. TV channel frequency Fine Tune (Optional)

This function is used to adjust the receiver frequency for better video quality. The range is from **128** to **+127**. *Click* on the "SAVE AS DEFAULT" button to save your current changes to the default channel table. *Slide the scroll bar* to the left or to the right to **Increase** or **Decrease** the channel frequency.

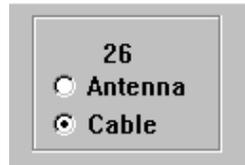
The tracked value will be shown in the value box. Be sure to *Click-on* and **Save** the value for the next time.



4. TV Input source select

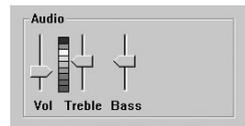
Click-on Cable for CATV (Cable TV) or on **Antenna** for standard non-cable channels.

The selected channel number and the fine tune number will also be shown.



5. Audio Mixer

To **adjust** the Volume, **Treble** and **Bass** of the Audio output, please drag the scroll bars of the equalizer **Up or Down**.



6. OSD interface (On Screen Display)

Click-on to **Enable** or **Disable** the **On Screen Display** functions.

The TV Channel Number, Name and Configuration parameters can be displayed in the video display window.

Please refer to Video Display Window for further description.



7. Remote Control

Click-on to **Enable/Disable** the external **Remote Control**.



8. TV Frame



Click-on to **Add/Remove** the TV frame feature from the video display window. Please refer to Video Display Window section for customizing the TV frame.

9. 16-Channel Preview



10. *Click-on* to **Enable** the 16-channel preview feature. When **Unchecked** it only previews 4 channels in the (640 x 480 mode) or 9 channels in the (1024 x 768 mode).



A. Channel Scan

Channel **Scan** is for a system with a newly installed capture card. Please **Scan** when a capture card is newly installed. The **Scanned** channels will be shown with an asterisk (*).

B. Channel up

Click to reach a **Previous** channel. The selected bar and channel information will be updated synchronously.

C. Channel down

Click to reach the **Next** channel. The selected bar and channel information will be updated as well.

D. ADD CHANNEL

Click to **Add** to the current displayed channels.

E. DELETE CHANNELS

Click to **Erase** current displayed channels.

F. TV Channel Preview

Channel Preview allows the user to view and chose some favorite channels and displays them on a full screen display. *Click* the right mouse button on any portion of the display window, and the channel selector will be prompted to select the channel. The channel selected will then be shown on the top left corner with white background. The channel will be shown in next scanning cycle.

6.6.4 Advanced functions



1.  *Click-on* to set the **TV** parameters.
2.  *Click-on* to set the **Video** parameters.
3. Video Capture Function keys
Click-on the Control Panel to invoke the capture functions
 - A.  or  *Click* to **Copy** the image to clipboard.
 - B.  or  *Click* to **Save** the still images as a Windows .BMP or JPEG file.
 - C.  *Click* to **Save a Sequence** of images as the Microsoft .AVI file.
 - D.  or  *Click* to **Play** captured .AVI files, or the choose Default .AVI files.
4. TV Channel Preview keys
 or  By *Clicking-on 16CH* the viewer is allowed to Preview 16 TV Channels at a time, to select some of their TV favorite channels and display them in on a full screen. Click the right mouse button on any of the 16 display windows, and the channel selector will be prompted to select that channel. The selected channel will be then shown on the top left corner with white background.
5. Slide Show Function keys
 or  *Click-on* to view a slide show. Slide shows are displayed in either a 160 x 120 video image format at 15 frames per second on a full screen display. Or shown in 16 windows from a 640 x 480 resolution screen. The last option is up to a 100 window display on a 1600 x 1280 resolution screen.
To **Exit**, *double click* the left mouse button. The full screen is saved to the CLIPBOARD when you exit. The captured images are then ready for other DDE available applications.

A. There are three types of slide shows:

FRAMES: Are shows viewed in sequential frames.

160 x 120: Are shows viewed in a 160 x 120 video image display format.

CENTER: Are shows similar to the FRAMES show, except with a Enlarged center display window.

6.6.5 Hot-Keys

HOT KEYS are Short Cuts to various applications using either the Mouse, by pressing on the Function Keys, or by using a Remote Control to activate the various applications.

See listing below :

1. Hot-Keys User's guide

A.  *Click-on* or **Press** the  key to Enable Online **Help**.

2. Video Display Mode

A.  *Click-on* or **Press** the  key to change video to the Overlay mode.

B.  *Click-on* or **Press** the  key to change video to the **Preview** mode.

C.  *Click-on* or **Press** the  key to put a video image at the **Top** of the list.

D.  *Click-on* or **Press** the  key to **Freeze** the video display.

3. Capture Settings Function Keys

Click-on or **PRESS** the following Hot-Keys to activate them

A.  To **Copy** the images to the clipboard for other DDE applications.

B.  To **Save Still images** as a Windows .BMP file.

C.  To **Save Sequential Images** as a Microsoft .AVI file.

D.  To **Play Captured** .AVI files.

E.  To **Select a Video source**.

F.  To **Choose a Image display Size** and format.

G.  To **Set the Capture parameters**.

H.  To **Select a Video source**.

4. OSD interface (On Screen Display)

Click-on or PRESS the following Hot-Keys to activate them

- A.  To **Change** to another mode
- B.  To **Reset** the Default value
- C.  To **Fine tune Backward**
- D.  To **Fine tune Forward**

5. TV Channel Function Keys

Click-on or PRESS the following Hot-Keys to activate them

- A.  To **Scan** the TV channels
- B.  To **Channel Up**
- C.  To **Channel Down**
- D.  To **Insert** a current displayed channel
- E.  To Erase **current** displayed channel

6. Slide Show Function Keys

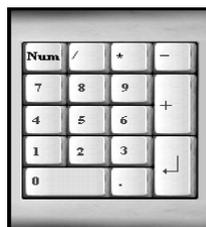
Click-on or PRESS the following Hot-Keys to activate them

- A.  To **Preview** your favorite channels
- B.  To **Start** the video slide show

7. Audio Mode

- A.  To **Mute** and **Enable** Audio
- B.  To **Increase** the volume
- C.  To **Decrease** the volume

Number Keys: Used for selecting two-digit TV channels, and Increasing or Decreasing the volume.



7. WinVCR (Optional)

This software can record from any video source straight onto your hard drive in real-time. Then watch your shows whenever you want. And because it's MPEG video, the files are 30 times smaller and fit on your hard drive. At the same quality and resolution as your TV!

Real-Time MPEG-1 Encoding. MPEG means 30x smaller files!

Watch TV, Record and Play your Favorite Shows. Record Video straight from your TV Card!

PAL and NTSC Support. Encodes up to 352 x 240 (NTSC) or 352 x 288 (PAL/SECAM)

Fully Synchronized Audio and Video

Video CD Compliant

ISO Compliant Streams

Playback MPEG-1 and other popular media types

VFW and WDM Drivers Support

Software Requirements :

Windows 95 OSR2/Windows 98

DirectX Media 6.0 run-time

Hardware Requirements :

Processor - INTEL (Celeron, Pentium II, Pentium III) or AMD (K6,K7) at 300 MHz is a minimum

Note:

Frame size Minimum	CPU speed required
176 x 144	Pentium II 300 MHz or higher
320 x 240	Pentium II 350 MHz or higher
352 x 240 (NTSC),352 x 288(PAL)	Pentium II 400 MHz or higher

64 MB RAM is minimum, 128 MB recommended

Audio Card

Note: WinVCR does NOT support QuartzSight Camera.

OEM Version has the following limitations:

Record limit is fixed at 25 Min.

Frame rate is fixed.

MPEG-1 bitrate is fixed at 1xCD.

Scheduler options are disabled.

WinVCR Instruction



Click to EXIT WinVCR



Click to Recording video



or  Click to switch 'TV Tuner', 'Video source', 'Playback Video'.



If your Video Source is **TV Tuner**



Click to reach a **Previous** channel.



Click to reach the **Next** channel.

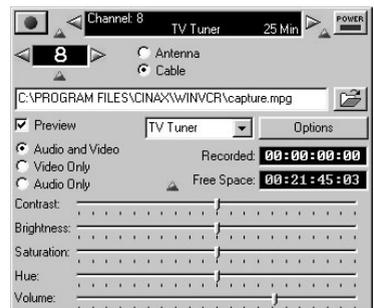
Click-on **Cable** for CATV (Cable TV) or on **Antenna** for standard non-cable channels.

The selected channel number and the fine tune number will also be shown.



 Click to open this extends control panel.

You can change the **Contrast**, **Brightness**, **Saturation** or Hue by using the various scroll bars and viewing the effect on your video monitor.



Free Space : show how much free space on your hard disk.

OEM Version has the following limitations:

- Record limit is fixed at 25 Min.
- Frame rate is fixed.
- MPEG-1 bitrate is fixed at 1xCD.
- Scheduler options are disabled.

Video Device

Shows the video capture devices that are installed in your system. Please use the drop down menu to select another device if more than one video capture cards are installed in the system. It will take one or two seconds to connect the capture device.

Audio Device

Shows the Audio capture devices that are installed in your system. Please use the drop down menu to select another device if more than one Audio cards are installed in the system. It will take one or two seconds to connect the Audio device.

Picture Size

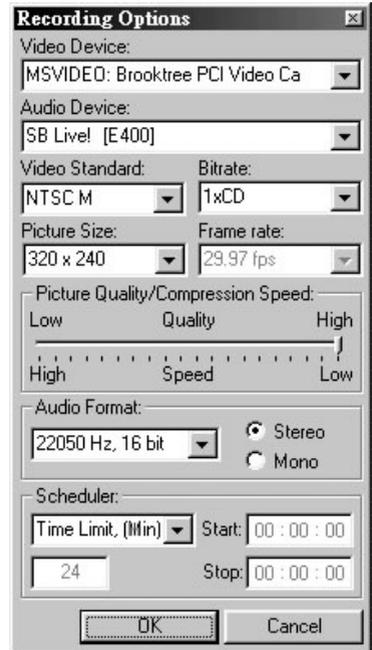
Change the Picture size.

Video Standard

Change the Video Standard **PAL** /**NTSC**.

Picture Quality/Compression Speed

Change the Picture Quality/ Compression Speed by using the various scroll bars. This will reduce some of the quality, but it will allow you to save more files.



8. VideoLive Mail (Optional)

VideoLive Mail delivers e-mails in the most effective way. Instead of using plain, flat and easily-misunderstood text, you can replace text with recorded video/audio messages or include them as part of your e-mail.

For business communications or correspondence with friends and families, use VideoLive Mail to add impact and motion to your messages. Your multimedia messages are saved in executable files allowing friends and colleagues to view them without installing any additional software.

- Record and send compressed video mail with synchronized audio over the Internet

- Recipient does not need VideoLive Mail or other software to playback video mail

- Video resolution at QCIF (176*144) with true color display

- Video compression ratio is adjustable up to 900 times

- Video bit rate is adjustable up to 300 k bits per second

- Video frame rate is adjustable up to 15 frames per second

- Video picture quality is adjustable based on user's demand

- Can record audio-only mail if PC camera not provided

- Can be used as a video encoder with compression for digitizing video clips

- Supports both analog cameras and digital cameras

- Complete online help

System requirements:

Sending

- Pentium Processor at 133MHz or higher

- 16MB RAM

- 16-bit sound card, microphone and speaker

- Video Camera compliant with VFW video input device

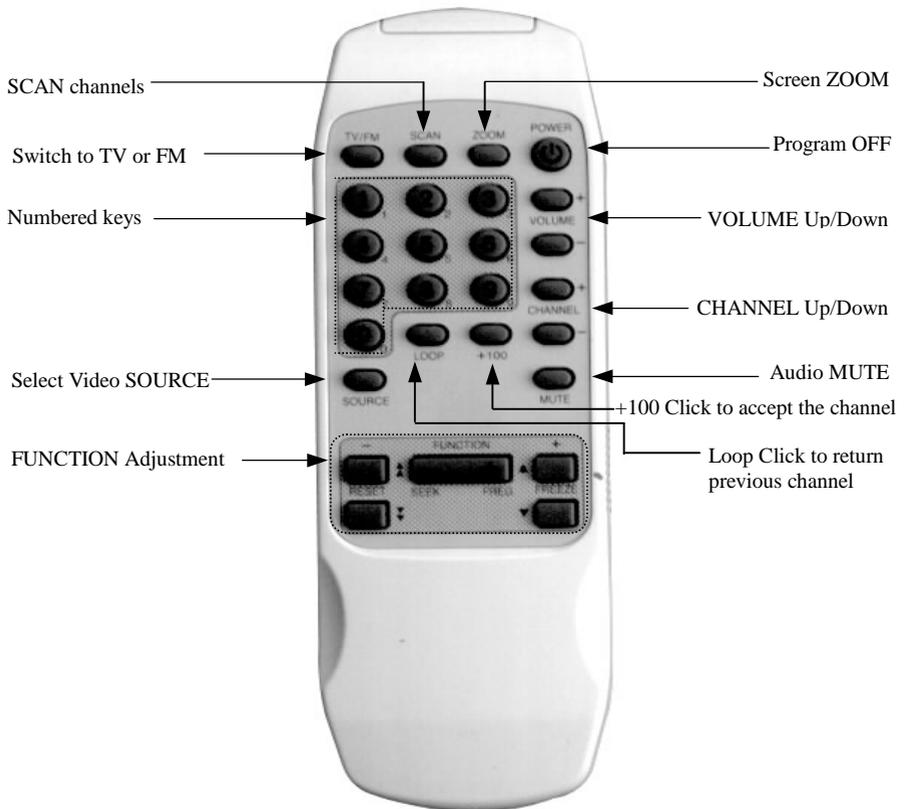
- Windows 95 or 98

Receiving

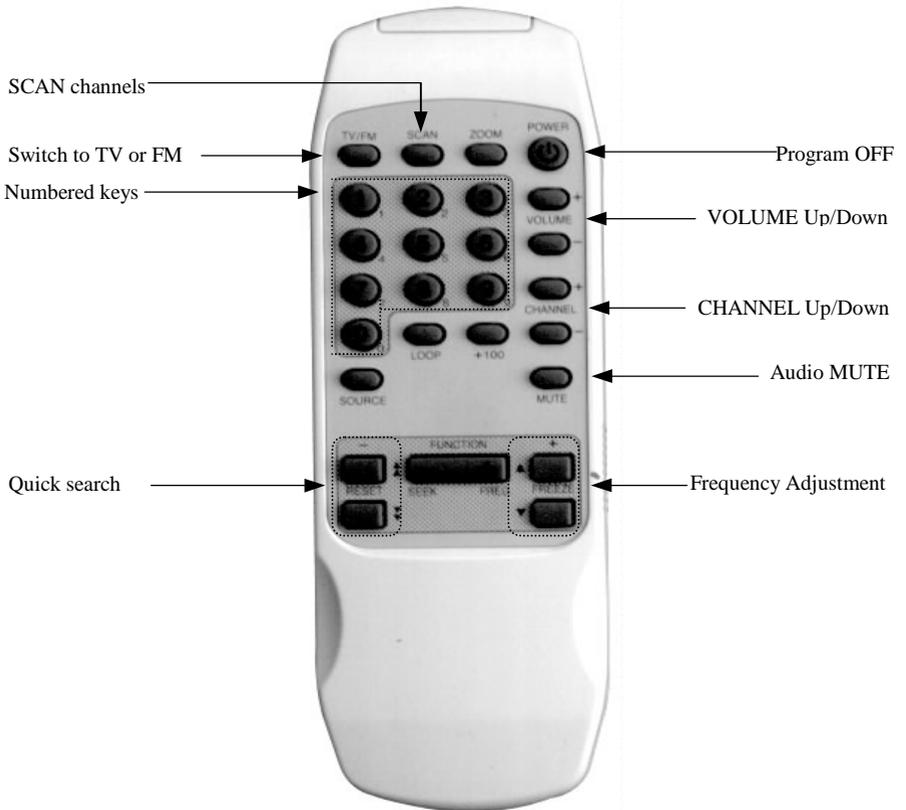
- Intel compatible 486DX PC or above

- VGA card with DirectDraw

9.1 TV Function Keys



9.2 FM Function Keys



10. FAQ

Q: My operation system is the Windows 3.x. Can I use this PV-BT878P+?

A: No, Sorry! The PV-BT878P+ supports Windows 95 and Windows 98. You must first update your operating system.

Q: What VGA card could be used to run PV-BT878P+?

A: The VGA card spec requested for PV-BT878P+ is as following:

1. Linear frame buffer
2. Hardware cursor
3. Graphics mode support 640x480/hi-color

Q: What kind of VGA cards has a known compatibility problem with the PV-BT878P+?

A: Trident's 9685, 9750 & 9850 may cause compatibility problems, please check with your dealer.

Q: When in the 1280x1024 graphics mode, the Video Screen does not display a Full-Screen.

A: PV-BT878P+ needs more graphics memory at a higher resolution. The best graphics mode is 800 x 600/Hi-Color or 800 x 600/True-Color when watching TV.

Q: Why the video picture motion is slowly when I capture or see at preview mode?

A: That is normal, because the signal is via CPU and memory to display.

Q: Why some compressor causes capture procedure not very smoothly?

A: PV-BT878P+'s driver supports two compressors

Brooktree YUV 411 Raw

Brooktree ProSwner Video (32)

Other compressors are provided by you system. We suggest that customers using these two compressors to have better performance.

Q. When your VGA is M64 or GeForce 256 series, please do the following steps.

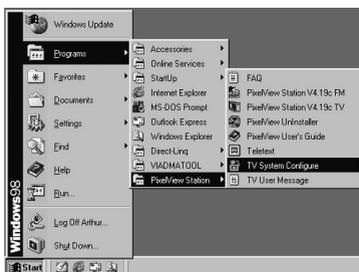
A. If your VGA card is nVIDIA M64 series or GeForce 256 series, there are two solutions for screen hang up issue.

1. Please launch 'TV System Configure' from 'start' >> 'program' >> 'PixelView Station' Such as (P1).



P1

It will appear 'TV Country Code Configure' message Then set VGA as 'Primary Series Only' such as (P2)



P2

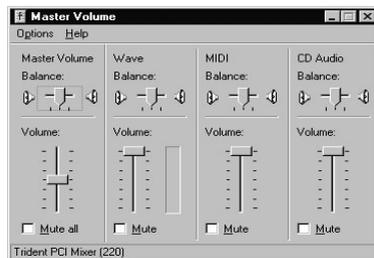
2. Please change M64's driver to 2.40 and GeForce's driver to 5.22.

Q: How to enable audio function.

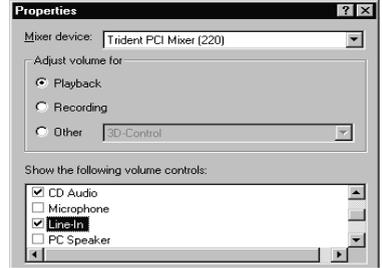
A: 1. Double-click 'speaker'.



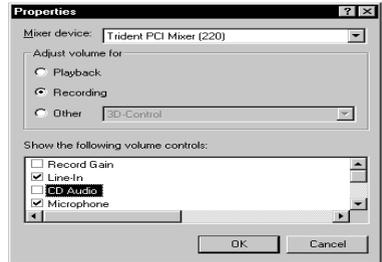
2. Click 'properties' of 'Options'.



3. Enable 'Line-in' of 'Playback'.



4. Enable 'link in' of 'recording' to finish the procedure of enable audio and click 'OK'.

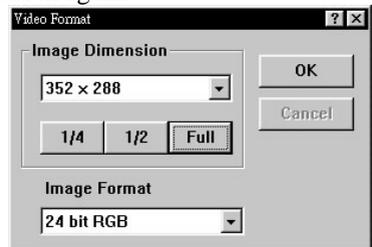


Q: Why the video picture will be abnormal when I change video source to QuartzSight Camera or from QuartzSight Camera change to the other video source?

A: This problem cause by QuartzSight Camera's Video Image size is different with the other video device.
Some video application didn't check Video Image size when user changes video source.

To fix the problem you can do Step 1 or 2:

1. Run PixelView Station again and switch Video Source to you wants. Exit PixelView Station and run the Video application again.
2. Set the Video Image size again at Video application.



Q: It has audio output when I turn audio format to 'ST' and 'SAP'. The audio only output in 'mono'.

A: You need to extra buy a module for that function it is optional. Please contact out local agency to purchase it.

Q: I have purchased and installed your product today, but cannot seem to get it to work! Everytime I run it I get an error message saying 'load library fail 1114' what does this mean?

- A:**
1. Pick away all device from motherboard except VGA and TV card, then intall driver for TV card.
 2. If TV works well, then setup other devices (sound card, modem,...)
 3. Please check IRQ of system resource.
 4. You need to install direct 6.1 or higher and motherboard's driver for North-bridge into your system.
 5. Please reinstall driver, which download from our web site after remove original driver.

Q: Why does it have no audio when I watch TV?

A: Please confirm IRQ is works properly.
Make sure to connect a line between Combo card '**audio out**' and Sound card '**line in**'. And connect your speaker to Sound card '**line out**'.
Please enable '**line in**' of speaker properties (record & advance option) in task bar.

Q: The system will hang up when I launch application program on my motherboard (all in one motherboard).

A: Please change the slot of capture card far away CPU slot. It caused by resouce of motherboard. As we know, the resource of slot that near CPU is the same with other device that on board of motherboard.(sound card, modem, VGA...)

Q: Does it have any compatibility issue with VGA card or motherboard?

A: It has some compatibility issue with Trident 9750/9850/9685 and S3 Savage 4 VGA cards and SiS620 motherboard. This is because they can't support TV Overlay mode. So you can't see video in Overlay mode.

Q: When I finish to install the driver to Windows 95/98 and run TV application program, but there is no picture and audio?

A: It maybe has IRQ conflict. Check your '**Device Manager**' whether has IRQ conflict with another devices, like SCSI card, net card or sound card. If yes, please change PlayTV Pro Card to another PCI slot to try again or adjust your IRQ address manually.