

**USER'S  
GUIDE**



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For previous or updated manuals, BIOS, drivers, or product release information, contact ASUS at <http://www.asus.com.tw> or through any of the means indicated on the *Contacting ASUS* page of this manual.

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Product Name: **ASUS TV Box**  
Manual Revision: **1.00 E289**  
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# Contents

<b>FCC &amp; DOC Compliance</b> .....	<b>4</b>
<b>Introduction</b> .....	<b>5</b>
Thank you for choosing ASUS .....	5
Specifications .....	5
Available Models .....	5
<b>Important Safeguards &amp; Precautions</b> .....	<b>6</b>
Installation .....	6
Operation/Cleaning/Service .....	6
Outdoor Antenna Grounding and Power Lines .....	6
<b>Getting Started</b> .....	<b>7</b>
<b>Using the Remote Control</b> .....	<b>8</b>
Installing Batteries .....	8
Parts and Functions .....	9
<b>Components of Your ASUS TV Box</b> .....	<b>11</b>
<b>Using Your TV Box</b> .....	<b>12</b>
CATV/Home Antenna Connections .....	12
<b>Installing and Using Software</b> .....	<b>15</b>
Using the ASUS Live Utility Software .....	16
ASUS Main Panel .....	16
<b>Using the ASUS Tuner Panel</b> .....	<b>18</b>
Buttons and Functions .....	18
Channel Setting .....	19
<b>Reference</b> .....	<b>20</b>
International TV Systems and Standards .....	20
Troubleshooting .....	22
<b>Contacting ASUS</b> .....	<b>23</b>

# FCC & DOC Compliance

## Federal Communications Commission Statement

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- ◆ This device may not cause harmful interference.
- ◆ This device must accept any interference received, including interference that may cause undesired operation.

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 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 manufacturer's 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.
- ◆ Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- ◆ Consult the dealer or an experienced radio/TV technician for help.

**WARNING!** The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

# Introduction

## Thank you for choosing ASUS

Congratulations on your purchase of an **ASUS TV Box**. You have selected a high-quality instrument to give you years of enjoyment.

With an ASUS TV Box, you can watch your favorite TV programs using your computer monitor as your TV display. The TV Box gives you full or resizable screen for TV display, quick and easy installation, remote control for easy and cozy viewing, and TV-like operation. All these features in a small box—and more, such as the capability to video capture scenes from the programs you are watching using the provided video capture utility.

## Specifications

Dimensions	147.5 (W) x 87.5 (H) x 24 (D) mm (5.8 x 3.5 x 1 in.)
Weight	180 g (TV Box only, without accessories attached)
Input Signal	75 Ohm coaxial TV antenna output Remote sensor (optional) Remote control (optional) S-Video input
Output Signal	S-Video output to ASUS graphics card with VIDEO-IN Audio output (to speaker or looped to sound card)
Video Signal Standards	<b>NTSC model:</b> NTSC-M <b>PAL D/K model:</b> PAL-D, PAL-K <b>PAL B/G model:</b> PAL-B, PAL-G
Minimum System Requirements	Windows 95/98 ASUS graphics card with VIDEO-IN connector (not included)

## Available Models

NTSC System	<b>TV Box (NTSC):</b> NTSC, without remote control <b>TV Box (NTSC+RC):</b> NTSC, with remote control
PAL System	<b>TV Box (PAL D/K):</b> PAL D/K, without remote control <b>TV Box (PAL D/K+RC):</b> PAL D/K, with remote control <b>TV Box (PAL B/G):</b> PAL B/G, without remote control <b>TV Box (PAL B/G+RC):</b> PAL B/G, with remote control

# Important Safeguards & Precautions

	<b>WARNING!</b> <b>RISK OF ELECTRIC SHOCK</b> <b>DO NOT OPEN</b>	
<p>To reduce the risk of fire or shock hazard, <b>DO NOT</b> expose the TV Box to rain or moisture.</p> <p>To reduce the risk of electric shock, <b>DO NOT</b> remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.</p>		

**CAUTION** Read the safety and operating instructions before operating your TV Box. Follow instructions and heed all warnings on your TV Box and in this guide.

## Installation

- 1 Always turn off power to your computer and other components or peripherals before you connect or disconnect any cables. This will protect your system and components from possible electrical surges that could damage your equipment.
- 2 Protect and route cords or cables so they will not be stepped on or pinched by anything placed on or against them.
- 3 Do not cover or block ventilation holes in the TV Box cabinet. Doing so may damage the TV Box, or cause fire. Do not place your TV Box on a soft surface that could block ventilation holes on the bottom. Avoid enclosed installations, unless ventilation is adequate.
- 4 Avoid excessive humidity, sudden temperature changes, or temperature extremes. Dew may form inside your TV Box.
- 5 To avoid costly damage or injury, place your TV Box flat on a solid, stable surface free from vibrations; do not place any heavy objects on top of it.

## Operation/Cleaning/Service

- 1 Keep your TV Box away from wet locations.
- 2 Use only accessories recommended by ASUS to avoid fire, shock or other hazards.
- 3 If your TV Box has been exposed to rain, moisture or strong impact, unplug it and have it inspected by a qualified service technician before resuming use.
- 4 Unplug your TV Box and disconnect it from the antenna and/or cable system during a lightning storm or an extended period of discontinued use.
- 5 Unplug your TV Box before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluids or aerosols that could enter the unit and cause damage, fire or electrical shock. These substances may also mar the finish of your TV Box.
- 6 Keep liquids and foreign objects away from your TV Box. Never operate your TV Box if any liquid or foreign object has entered it. Electrical shorts could result and possibly cause fire or shock hazards. Unplug your TV Box immediately and have it inspected by a qualified service technician.
- 7 Never open or remove covers or make any adjustments not described in this guide. Attempting to do so could expose you to any dangerous electrical shock or other hazards. It may also cause serious damage to your TV Box.
- 8 Keep your TV Box away from electrical and magnetic appliances that could impair performance.
- 9 Do not attempt to service this TV Box yourself. Instead, contact a qualified service technician.

## Outdoor Antenna Grounding and Power Lines

Check your respective area for proper grounding information and other regulations.

# Getting Started

The following steps will help you get your ASUS TV Box connected and working quickly and assume that your computer is shut down and turned off.

## 1 **Unpack your ASUS TV Box and accessories.**

Shown here are the ASUS TV Box and accessories that may have been packed with your TV Box.



## 2 **Install batteries in remote control (optional).**

- ◆ Details are on page 8.

## 3 **Connect cables and other accessories.**

- ◆ Details for the different components of your TV Box are on page 11.
- ◆ Details for connecting a cable TV system and home antenna to your TV Box starts on page 12.
- ◆ Details for connecting other devices to your TV Box are on page 14.

## 4 **Start your computer.**

## 5 **Install the ASUS Live utility software.**

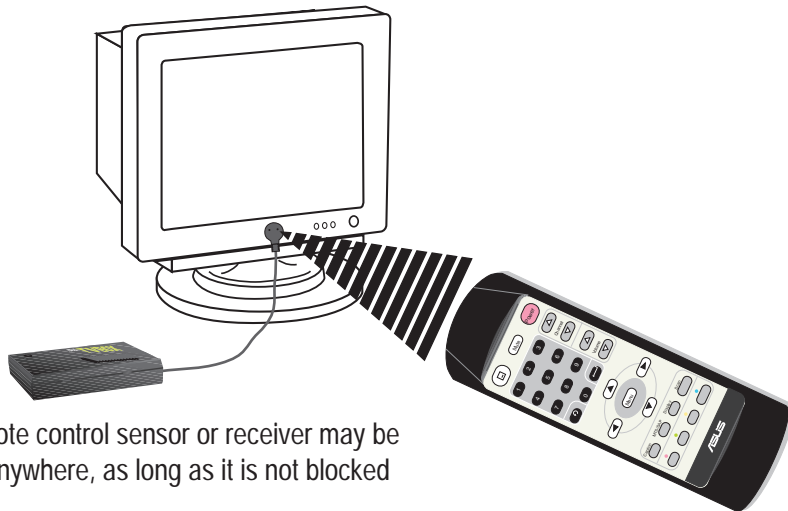
- ◆ Details for installing the software to run your TV Box are on page 15.

## 6 **Run the ASUS Live utility software.**

- ◆ Details for using the software to run your TV Box are on page 16.

# Using the Remote Control

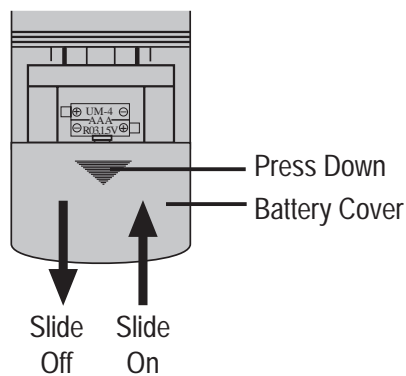
The Remote Control (optional accessory) allows you to operate the VCR at a distance. It has all the major controls necessary for operating your TV Box, such as turning your TV Box on/off, viewing the TV, and changing the channels and volume. Aim the front of the Remote Control at the Remote Control Receiver and press the control buttons as you would on the ASUS Tuner Panel (*see Using the ASUS Tuner Panel*). Make sure that the batteries have been properly installed first.



The remote control sensor or receiver may be placed anywhere, as long as it is not blocked

## Installing Batteries

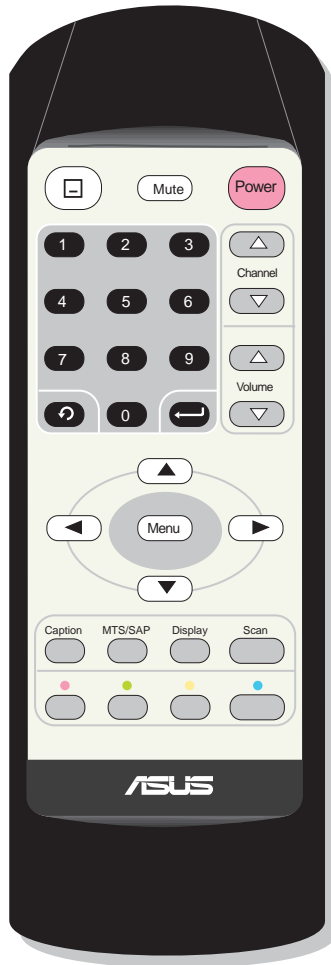
Install the batteries included with your TV Box.



- 1 Press down on the ▼ mark and then slide the battery cover off as shown.**
- 2 Insert the batteries, matching their polarities (⊕ and ⊖) to the markings inside the Remote Control.**
  - ◆ If the Remote Control does not operate or fails to function normally, replace the batteries. The Remote Control operates on two AAA (UM-4) 1.5 volt batteries, available at most stores, such as electronics and camera stores.



## Parts and Functions



### Power Button

Pressing this button terminates *Tuner* input and then switches to Composite or S-Video input.

### Channel Buttons

Pressing  selects the next higher channel while pressing  selects the next lower channel.

### Volume Buttons

Pressing  increases volume while pressing  decreases volume.


### Mute Button

Pressing this button quickly reduces sound to minimum level without affecting the picture. This is especially useful during telephone calls or other interruptions.

### Maximize Button

Pressing this button maximizes or restores the display window.

### Number Buttons

Lets you access any channel number. Press  to confirm your selection.



### Enter Button

Pressing this button confirms the channel number that you selected.

### Previous Channel Button

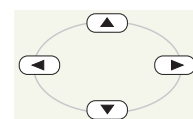
Pressing this button causes the display to change back to the last tuned channel.

### Menu Button

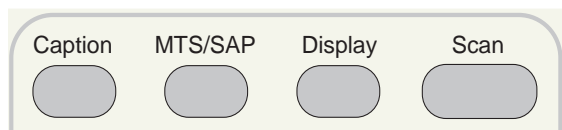
Pressing this button shows or hides the video source options on the display window. Use the Arrow Buttons to navigate around the menu.

### Arrow Buttons

Pressing any one of these buttons selects a specific video source, thereby allowing you to adjust its setting.



## Using the Remote Control



### **Caption Button**

Not available as of this moment.

### **MTS/SAP Button**

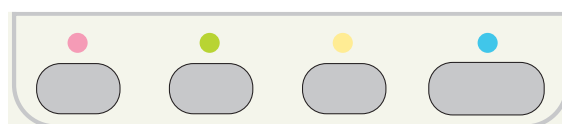
Pressing this button toggles between MTS (Multichannel Television Sound) stereo audio (providing true, high-fidelity stereo sound) and SAP (Second Audio Program) audio, if available. Some TV stations that broadcast stereo also broadcast another sound channel called SAP, which is sometimes used to offer the program in another language.

### **Display Button**

Pressing this button displays the channel number, channel name (if configured through the **Channel Setting** dialog box of the ASUS Tuner Panel), and audio settings on the display window.

### **Scan Button**

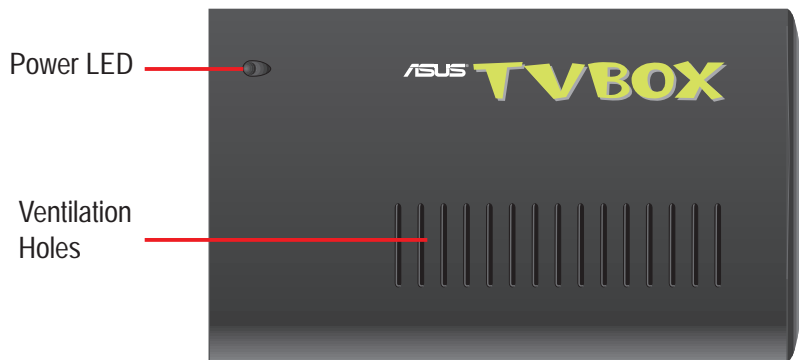
Pressing this button automatically cycles through all the channels and place active channels for your area in channel memory.



### **Null Buttons**

# Components of Your ASUS TV Box

Shown here are the major components and connectors and the connection possibilities of your TV Box.



**CAUTION** Do not cover or block ventilation holes. Doing so may damage your TV Box or cause fire.



- 1 Line Output Jack:** allows you to connect a pair of powered/self-amplified speakers or a pair of headphones or earphones for private listening.
- 2 S-Video Connector (4-pin):** provides for direct S-Video connection from your TV Box.
- 3 Video Connector (7-pin):** used to connect your TV Box to an ASUS graphics card with VIDEO-IN connector.
- 4 Remote Control Receiver Connector:** used to connect the optional Remote Control Receiver cable.
- 5 Cable/Antenna Connector:** used when attaching either a home antenna or cable TV (CATV) system to your TV Box.

# Using Your TV Box

There are three general steps in using or setting-up your TV Box.

- Step 1** Disconnect the CATV system or antenna from your TV system.
- Step 2** Reconnect the CATV system or antenna to your TV Box.
- Step 3** Connect the included and other accessories to your TV Box.

## CATV/Home Antenna Connections

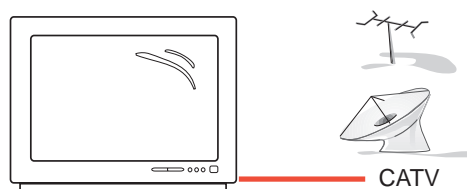
There are various types of cable TV (CATV) and antenna connections. Each type requires a different method of connection.

**NOTE** Consult your dealer for the type of adaptor, splitter, A/B switch or combiner that may be required when setting up your TV Box.

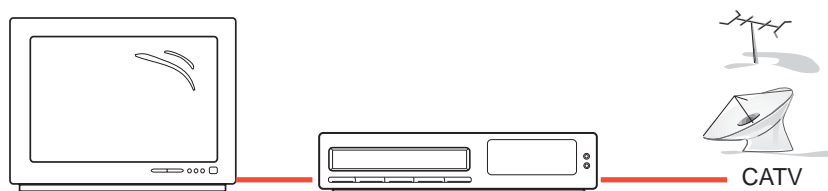
Your TV Box is capable of receiving up to 100 channels. If you do not have a CATV system, you may use an indoor or outdoor antenna that carries only VHF (channels 2–13), only UHF (channels 14–69), or VHF and UHF channels to connect to your TV Box.

Your CATV system or antenna may be connected in either of the following two ways: direct to the TV or through a VCR system.

### *Connection Through a TV System*



### *Connection Through a VCR System*

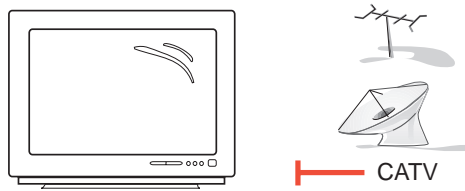


To start using your TV Box, follow the steps and sketch on the following pages to connect a CATV system or home antenna to your TV Box.

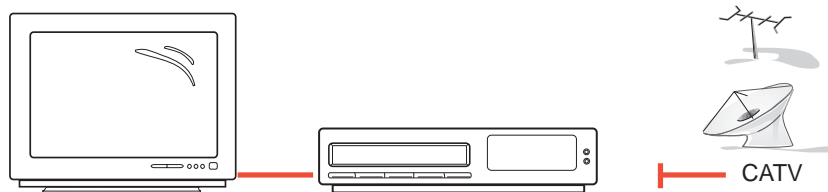
# Using Your TV Box

## Step 1

Disconnect the CATV system or antenna from your TV system.



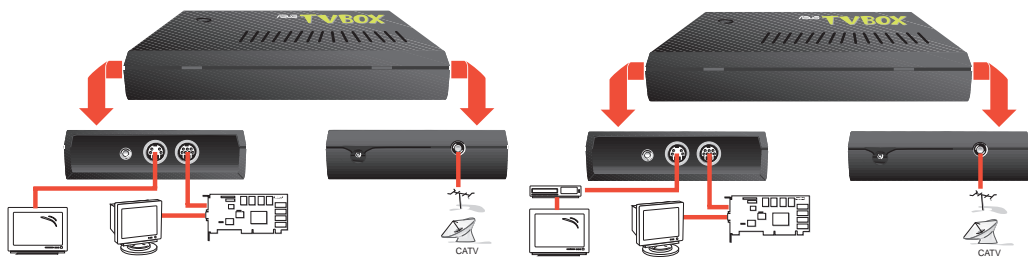
Disconnection from a TV System



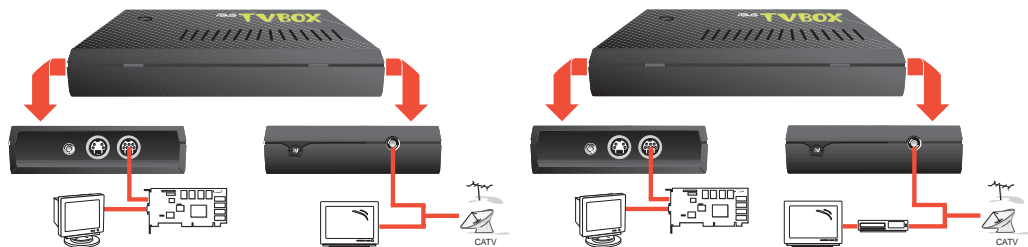
Disconnection from a VCR System

## Step 2

Reconnect the CATV system or antenna to your TV Box.



Direct Connection

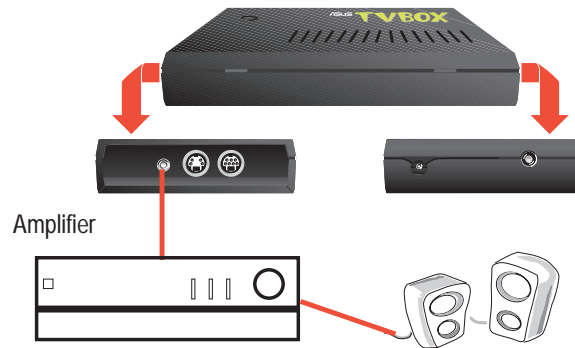


Connection Through either an Adaptor, Splitter, A/B Switch or Combiner

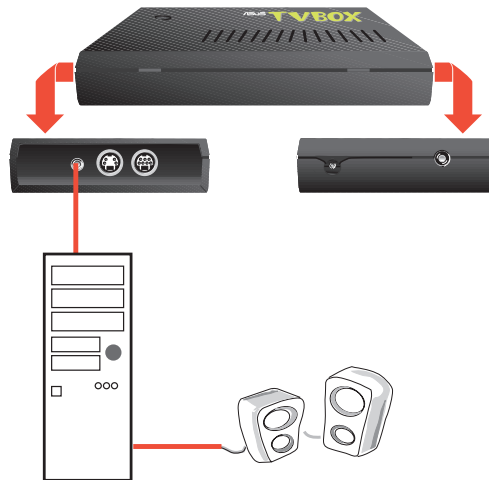
## Connecting Your TV Box

### Step 3

Connect the included and other accessories to your TV Box.



Connection through Stereo Audio System



Connection through Computer with Audio System

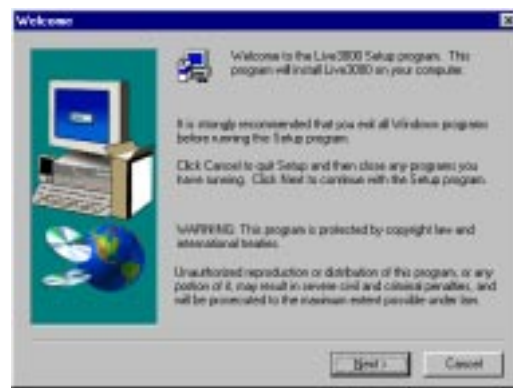
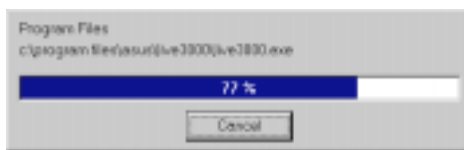
You are now ready to install the software.

# Installing and Using Software

An ASUS Live utility software must be installed first before you can use your TV Box. The ASUS TV Box takes advantage of the VIDEO-IN function of your graphics card to work. To install the necessary files, follow the steps below.

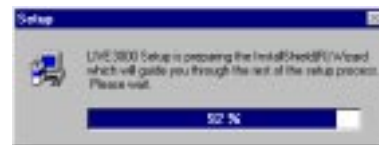
**NOTE** Make sure that you have an ASUS graphics card with VIDEO-IN connector installed before attempting to install the software.

- 1 Insert the CD installation disc or double click the CD drive icon (ASUS logo) in My Computer to bring up the Welcome box or run SETUP.EXE in the root directory of your CD drive. Setup starts preparing the InstallShield® Wizard for the installation process.**



- 2 Click Next to start copying the necessary files.**

Setup automatically starts copying the necessary files to the default folder.



- 3 After all the necessary files have been copied, you will be prompted to choose between two options or both: view the README file or launch the installed ASUS Live series software. Choose either one or both and then click Finish.**

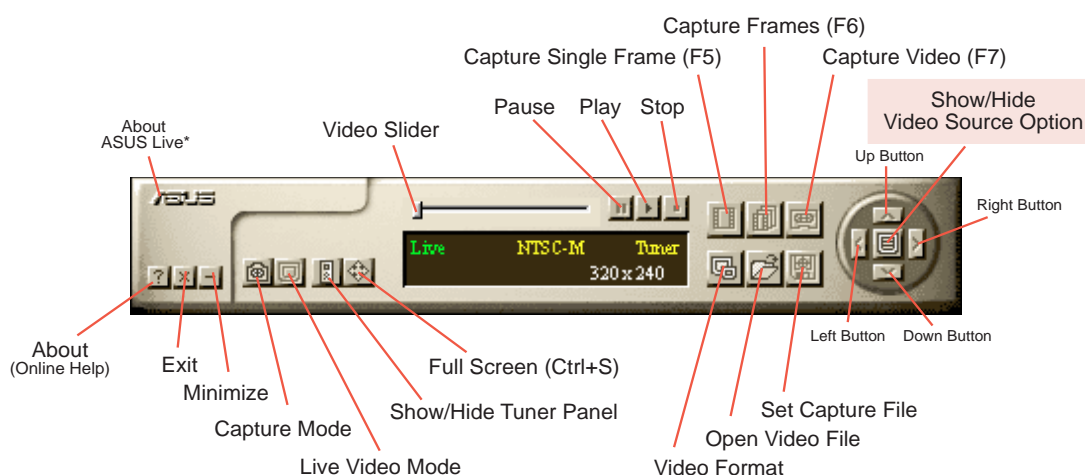


## Using the ASUS Live Utility Software

The ASUS Live utility software can be used to:

- 1 **View images using your monitor as screen from traditional consumer devices, such as videocassette players, camcorders, digital cameras, and laser disc players through the onboard RCA or SVHS VIDEO-IN connectors.**
- 2 **Capture live motion video up to 30 frames/second (minimum Pentium II/266 system).**
- 3 **Play any \*.AVI files.**

## ASUS Main Panel



To run the software, click **Start** and point to **Programs** and then **ASUS LIVE\*** (where \* is the series of your Live software, for example, **LIVE3000** for the ASUS Live 3000) and then click **LIVE\***.

To uninstall the software, click **Start** and point to **Programs** and then **ASUS LIVE\*** and then click **Uninstall**. You may also uninstall the software using the **Add/Remove Programs Properties** dialog box at the **Windows Setup** tab. See Windows online help for more information on uninstalling or removing a Windows component.

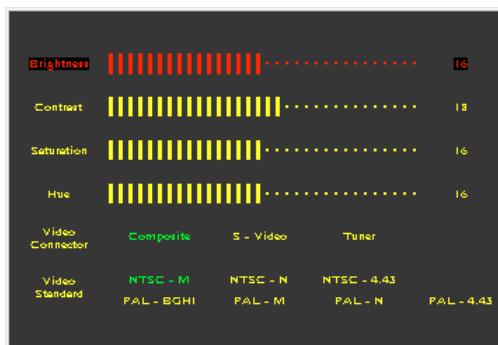
**NOTE** For information on the functions of each button of the ASUS Main Panel, click the **About** button to open the online help or user's guide.



## Installing and Using Software

### *Show/Hide Video Source Option*

When first using ASUS Live, you must set up the video source. By clicking the **Show/Hide Video Source Options** button on the ASUS Main Panel, you can show or hide the video source setup screen.



Use the Up or Down arrow buttons on the ASUS Main Panel to select Video Connector and then the Left and Right arrow buttons to select *Tuner* to start using your TV Box to view programs.

**NOTE** Users with the PAL D/K models should select PAL-BGHI for the Video Standard.

If desired, you may adjust Brightness, Contrast, Saturation, and Hue of your display using the video source setup screen. Click again the **Show/Hide Video Source Options** button on the ASUS Main Panel to exit from this screen.

For the other options on the ASUS Live utility software, click the appropriate button on the ASUS Main Panel to open its dialog box.

### *Video Capture Driver*

**IMPORTANT!** It is the intent of ASUS that this product be used in full compliance with the copyright laws of your respective and other countries and that prior permission be obtained from copyright owners whenever necessary.

When you install the Windows 95/98 Driver of your ASUS graphics card with the VIDEO-IN connector, the video capture driver will automatically be installed on your system. This video capture driver follows Microsoft Video for Windows standard and can open up to a capture window size of 352 x 240. It can be used with some applications that use video capture as an option, such as video conferencing, net meeting, or digital video authoring applications.

To start capturing images on your screen, click the **Capture Mode** button on the ASUS Main Panel (click the **About** button for more information on the operational procedures for capturing images).

# Using the ASUS Tuner Panel

The ASUS Tuner Panel can be opened in any one of the following three ways:

- 1 **Click the Turn On/Off TV box button on the ASUS Main Panel.**
- 2 **Use the ASUS Main Panel.**
  - ◆ Click the **Show/Hide Video Source Options** button.
  - ◆ Use the Up/Down button to move to *Video Connector* option.
  - ◆ Use Left/Right button to select *Tuner*.
- 3 **Use the remote control (available as an optional accessory).**
  - ◆ Press the Menu button.
  - ◆ Move to the Video Connector option.
  - ◆ Select *Tuner*.

## Buttons and Functions



### Multifunction Display

Displays information about the current settings, such as channel and name of TV station (if configured; see **Channel Setting** for more information) and volume level.


### Power Button

Turns off TV Box and then switches to Composite or S-Video state.

### Minimize Button

Minimizes the onscreen remote control panel.

### Number Buttons

Lets you access any channel number. Press  to confirm or wait momentarily to automatically go to your selection.

### Enter Button

Pressing this button confirms the channel number that you selected.

### Previous Channel Button

Pressing this button causes the display to change back to the last tuned channel.

## Using the ASUS Tuner Panel

### Channel Buttons



Pressing  selects the next higher channel while pressing  selects the next lower channel.

### Volume Buttons



Pressing  increases volume while pressing  decreases volume.

### Mute Button



Pressing this button quickly reduces sound to minimum level without affecting the picture. This is especially useful during telephone calls or other interruptions.

### Scan Button



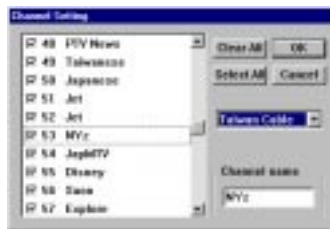
Pressing this button automatically cycles through all the channels and place active channels for your area in channel memory.

### Set Button



Use this button to define your favorite channels and their names and to select an appropriate cable standard for your video system. Pressing this button brings up the **Channel Setting** dialog box.

## Channel Setting



The **Channel Setting** dialog box allows you to program names or labels (up to 10 characters) for the channel numbers. To label a channel, select the channel number you want to label and then type the desired label on the **Channel name** text box. Repeat these steps for all the desired

channels. When finished, click **OK**. The names you select will then appear on the screen and Multifunction Display whenever the channel number is displayed or selected. Clearing a channel number check box or more will make that or those channels unavailable for viewing.

To erase or change a label, simply select the channel number of the particular name that you want to erase or change and then clear or change the name on the **Channel name** box.

# Reference

## International TV Systems and Standards

**IMPORTANT!** Because systems and standards may change or grow, the information below are provided *only as reference*. Be sure that the TV Box model that you purchased is appropriate for the system and standard of the country where you will be installing your TV Box. For example, you should have the NTSC model if you plan to use your TV Box in countries with NTSC systems, PAL B/G model in countries with PAL-B/PAL-G systems, or PAL D/K model in countries with PAL-D/PAL-K systems.

Country	TV	Color	Stereo	Subtitles
Albania	B/G	PAL		
Argentina	N	PAL-N		
Australia	B/G	PAL	FM-FM	Teletext
Austria	B/G	PAL	FM-FM	Teletext
Azores Is. (Portugal)	B	PAL		
Bahamas	M	NTSC		
Bahrain	B	PAL		
Barbados	N	NTSC		
Belgium	B/G	PAL	Nicam	Teletext
Bermuda	M	NTSC		
Brazil	M	PAL-M	MTS	
Bulgaria	D	SECAM		
Canada	M	NTSC	MTS	CC
Canary Is	B	PAL		
China	D	PAL		
Colombia	N	NTSC		
Cyprus	B	PAL		
Czech Republic	D/K	SECAM/PAL		
Denmark	B	PAL	Nicam	TeleText
Egypt	B	SECAM		
Faroe Islands (DK)	B	PAL		
Finland	B/G	PAL	Nicam	TeleText
France	E/L	SECAM		Antiope
Gambia	I	PAL		
Germany	B/G	PAL	FM-FM	TeleText
Germany (prev East)	B/G	SECAM/PAL		
Gibraltar	B	PAL		
Greece	B/H	SECAM		
Hong Kong	I	PAL	Nicam	
Hungary	B/G & D/K	PAL (was SECAM)	Nicam (Budapest only)	
Iceland	B	PAL		
India	B	PAL		
Indonesia	B	PAL		
Iran	H	SECAM		
Ireland	I	PAL	Nicam	TeleText
Israel	B/G	PAL	Nicam	TeleText
Italy	B/G	PAL	FM/FM	TeleText
Jamaica	M	SECAM		
Japan	M	NTSC	Matrix	

## Reference

### International TV Systems and Standards...continued

Country	TV	Color	Stereo	Subtitles
Jordan	B	PAL		
Kenya	B	PAL		
Korea	M	NTSC		
Luxembourg	B/G	PAL	-	TeleText
Madeira	B	PAL		
Madagascar	B	SECAM		
Malaysia	B	PAL		
Malta	B/G	PAL		
Mauritius	B	SECAM		
Mexico	M	NTSC	MTS	CC
Monaco	L/G	SECAM/PAL		
Morocco	B	SECAM		
Netherlands	B/G	PAL	FM-FM	TeleText
New Zealand	B/G	PAL	Nicam	TeleText
North Korea	D/K?	SECAM		
Norway	B/G	PAL	Nicam	
Pakistan	B	PAL		
Paraguay	N	PAL		
Peru	M	NTSC		
Philippines	M	NTSC		
Poland	D/K	PAL		Teletext
Portugal	B/G	PAL	Nicam	Teletext
Romania	G	PAL		
Russia	D/K	SECAM		
Saudi Arabia	B	SECAM		
Seychelles	I	PAL		
Singapore	B	PAL		
South Africa	I	PAL		
South Korea	N	NTSC		
Spain	B/G	PAL	Nicam	
Sri Lanka	B/G	PAL		
Sweden	B/G	PAL	Nicam	Teletext
Switzerland	B/G	PAL	FM-FM	TeleText
Tahiti	KI	SECAM		
Taiwan	M	NTSC		
Thailand	B	PAL		
Trinidad	M	NTSC		
Tunisia	B	SECAM		
Turkey	B	PAL	-	TeleText
United Arab Emirates	B/G	PAL		
United Kingdom	I	PAL	Nicam	TeleText
Uruguay	N	PAL	MTS	
USA	M	NTSC	MTS	CC
Venezuela	M	NTSC		
Yugoslavia	B/H	PAL		
Zimbabwe	B	PAL		

**NOTE** Your TV Box may not work in countries with SECAM systems.

## Troubleshooting

Check this list before calling for technical support or service.

Trouble	Possible Causes/Solutions
Live* reports no SAA7111A EVIP detected on your card.	<ul style="list-style-type: none"> <li>Your graphics card has no VIDEO-IN option.</li> <li>Your monitor has the wrong DDC circuit implemented. Contact your monitor dealer for a solution.</li> </ul>
Live* reports "Cannot auto-set video source" or "Can't play live video..." when starting the ASUS Live utility software.	<ul style="list-style-type: none"> <li>Your monitor may be set to a display mode not supported by the software or you may have other video players, such as the VCD PowerPlayer, opened. Change to other display modes or close the other video players. Run the software again and then set up the video source (see Show/Hide Video Source Option for details).</li> </ul>
Intermittent or no remote control function	<ul style="list-style-type: none"> <li>Maybe something is between the remote control and remote control sensor or receiver.</li> <li>Maybe the remote control is not aimed directly at the remote control sensor or receiver.</li> <li>Maybe the batteries in the remote control are weak or dead or installed incorrectly. Try replacing batteries.</li> <li>Remove batteries and hold down one or more buttons for several seconds. Reinstall the batteries and operate the remote control again.</li> </ul>
Blank screen	<ul style="list-style-type: none"> <li>Try another channel.</li> <li>Maybe you have Screen Saver turned on or your Power Management Properties of your display are set to turn off the monitor. Disable your Screen Saver or Power Management Properties settings.</li> </ul>

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