



## **LCD TV Box**

# **Quick Installation Guide**

**Model # ATV-BOX-LCD**

# LCD TV Box

## About TV Box

Advantek networks LCD TV Box is a state-of-the-art TV to PC VGA/XVGA/SXGA converter box. The compact unit easily turns your LCD/CRT monitor, plasma display or projector all that has a VGA input connector devices into a multimedia center with small desktop space. With a built-in TV tuner and multiple video ports, you can connect DVD players, digital video cameras, VCRs or even game consoles to your PC, and view high quality video in full-screen, high-resolution images.

The full screen display resolution is up to 1680x1050 with refresh rate and it is most suitable to use 19" or bigger PC monitor to watch TV program, like football game, movie and any show you want!

The User-friendly OSD (On Screen Display) can let you easily use brightness, contrast and hue adjustment for better video quality! The full function remote control can help you to make the channel selection, input source switching, volume adjustment, and etc.

With Enhanced 3D motion adaptive de-interlacing, LCD TV Box provides high quality picture and gives sharp & stable image output to LCD or CRT monitor

## Product Features

- ◆ Resolution up to 1680\*1050, 1280\*1024, 1024\*768, 800\*600, 640\*480
- ◆ Compatible for Multi Signal inputs: TV, Video, S-Video, and PC.
- ◆ PAL/NTSC TV Standards but one standard in same time
- ◆ High quality picture with sharp, stable image output to VGA/SVGA/XGA/SXGA
- ◆ Brightness/Contrast/Saturation/Color/Sharpness/Gamma Adjustment
- ◆ Automatic source mode detection
- ◆ No software or driver required. No PC compatibility problem
- ◆ Easy installation and Muliti-Language OSD Selection
- ◆ Full function remote control

## Product Specifications

- ◆ Video input
  - TV Input: Coaxial (RF)
  - Composite Video Input
  - S-Video Input
  - VGA Input: 8 pin (Mini DIN)-15 pin (DB15)
- ◆ Video Output

- VGA Output: 15 pin DB
- ◆ Audio input
  - Composite Audio Input
  - From PC Sound card Line-out
- ◆ Audio output
  - Audio Output to Sound Enclosure or Sound card Line in

## **System Requirements**

- ◆ No specific PC system required
- ◆ Compatible VGA monitor, such as LCD CRT, monitor plasma display or projector all that has a VGA input connector devices.
- ◆ Video input device (e.g. Cable, Antenna, VCR, V8, LD player, TV game machine and etc.)

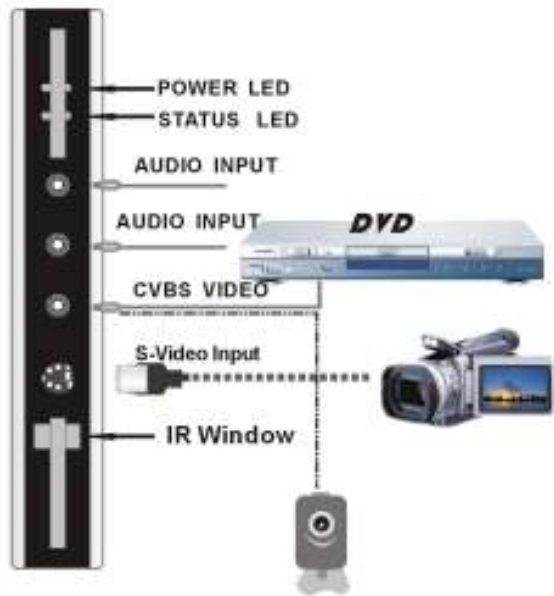
## **Product Contents**

- LCD TV Box Supera Color
- User's Manual
- Audio Cable
- Power adapter
- VGA cable
- Remote Control

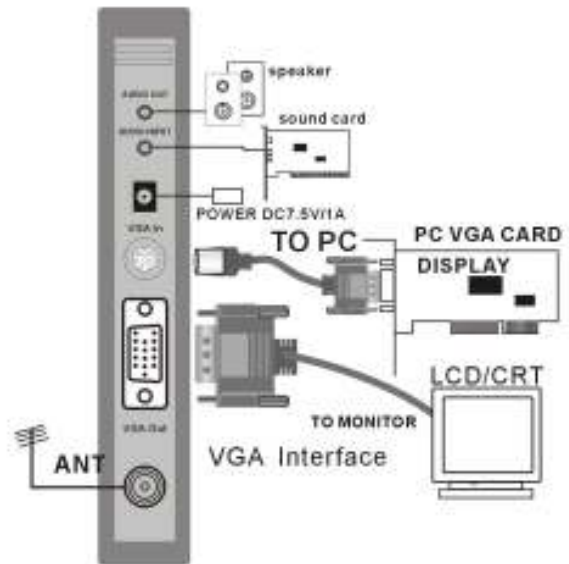
# Hardware Installation

## Connection

### Front side



### Reverse side



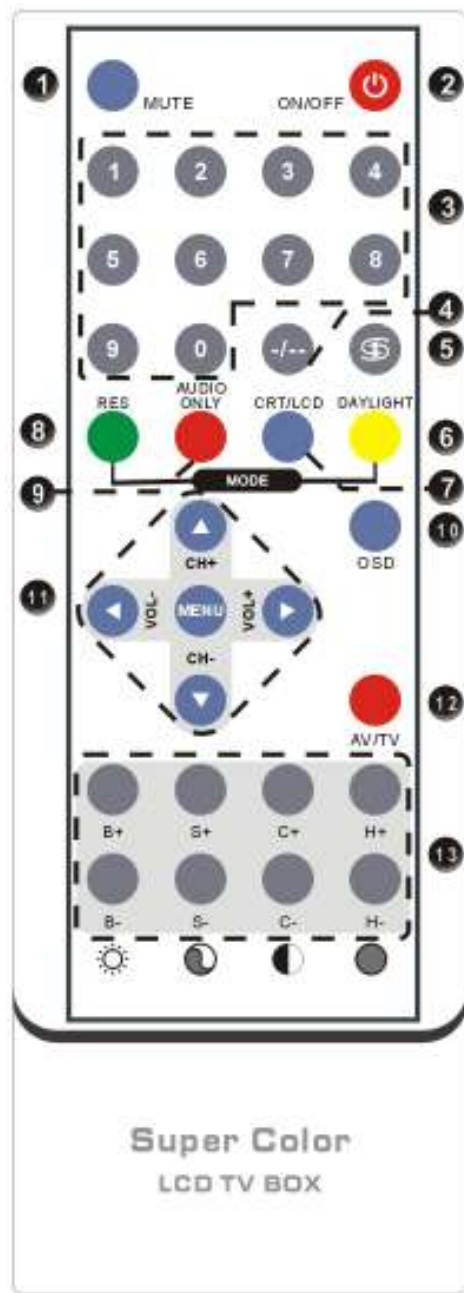
No power of LCD TV Box and PC Monitor before right connection

1. Connect the LCD Box to the PC monitor.
2. Connect the sound enclosure or other device which has sound input jack device (for a example, your sound card's Line In port), to LCD TV Box's Line Out port.
3. Connect the Cable TV Antenna to LCD TV Box' s antenna input.
4. Connect the AC/DC power converter's output to LCD TV Box, LCD TV Box will auto power on.
5. Connect video and/or S-video in port to the Video device's (DVD/VCD/VCR/PS2/Gamestation) video out port.

**Caution: If it's the first time you use the LCD TV Box, Please select "SEARCH" from MENU column. Then Press "MENU" on RC, it will auto-scan all channels and save it into memory. This procedure will take 5-10 minutes. During auto-scan, the LED will be blinking.**

## Remote Control and key description

### IR Remote and key description



1	Mute: Mute on/off
2	Power: Power on/off
3	0 - 9: 0-9 keys
4	-/--: digit
5	return to previous channel
6	DAYLIGHT: Standard, soft, color,bright
7	CRT/LCD: CRT/LCD
8	RES: change resolution
9	AUDIO ONLY: Backgrand TV program(audio only) when you can use your computer.
10	OSD: OSD on/off
11	CH+/CH-: channel up and down VOL+/VOL-: Volume up and down MENU: Invoke menu
12	AV/TV: Video source select TV/PC: VGA□/CVBS/S-Video
13	B+ B-: Brightness up and down S+ S-: Saturation up and down C+ C-: Contrast up and down H+ H-: Hue up and down

## Menu options

Press "MENU" button to enter the menu option, press "Channel + or -" select the value you want to change or look up, then press "MENU" to enter, press " VOLUME + or -" changing the value. Select "EXIT " and press "MENU" when finish

Main Menu	Sub Items	Description
<b>Color →</b>	↓	Enter Color sub setting.
	<b>Brightness</b>	Adjust brightness of image.
	<b>Contrast</b>	Adjust contrast of image.
	<b>Saturation</b>	Adjust saturation of image.
	<b>Hue</b>	Adjust hue of image
	<b>Default</b>	Set all color setting to default value.
	<b>Return</b>	Return to top menu.
<b>Video →</b>	↓	Enter Video sub setting
	<b>Standard</b>	PAL/NTSC/SECAM
	<b>Return</b>	Return to top menu
<b>Channel →</b>	↓	Enter Video sub setting.
	<b>TV System Standard</b>	NTSC/PAL-M/PAL-N/PAL-B-G/PAL-D-K/(Depends on Tuner)
	<b>Auto Scan</b>	Take auto scan channel action (high speed, recommended).
	<b>Full Scan</b>	Take full frequency scan (low speed).
	<b>Fine Tune</b>	Finely adjust the frequency of the current channel
	<b>Skip</b>	Skip the current channel
	<b>Return</b>	Return to top menu
<b>Display →</b>	↓	Enter Display sub setting.
	<b>VGA</b>	640 X 480
	<b>SVGA</b>	800 X 600
	<b>XGA</b>	1024 X 768
	<b>SXGA</b>	1280 X 1024
	<b>W1440S</b>	W1440S
	<b>W1280S</b>	W1280S
	<b>W1440P</b>	W1440P
	<b>1680 X 1050</b>	1680 X 1050
	<b>Return</b>	Return to top menu
<b>OSD →</b>	↓	Toggle OSD
	<b>Pos.X</b>	OSD Movie X
	<b>Pos.Y</b>	OSD Movie Y
	<b>Return</b>	Return to top menu
<b>Language →</b>	↓	Select language
	<b>English</b>	English language
	□□	Chinese language
	□□	Chinese language
	<b>Portuguese</b>	Portuguese language
<b>Exit →</b>		Exit menu mode.

## Troubleshooting

Description	Hints
No picture and no sound (Even noise)	<ol style="list-style-type: none"> <li>1. Power LED off: Please check the AC/DC adaptor □ the power connector</li> <li>2. Power LED on: check the monitor and sound device connection</li> </ol>
Picture is ok but no sound (Even noise)	<ol style="list-style-type: none"> <li>1. Check the sound device connection</li> <li>2. Check if mute key is pressed</li> <li>3. Check if volume is at the minimum</li> <li>4. Check sound device's volume setting</li> </ol>
No picture but sound is Ok	<ol style="list-style-type: none"> <li>1. Check the connection between monitor and LCD TV Box</li> <li>2. Check if the monitor is power off</li> <li>3. Check the monitor is not in power saving status</li> <li>4. Check if your monitor cannot support high resolution, please change to other resolution by press the RES key, wait a moment to see if it is ok, or press RES key once more to another resolution.</li> </ol>
No color	<ol style="list-style-type: none"> <li>1. TV cable signal is too weak</li> <li>2. Check the Saturation setting</li> </ol>
REMOTE problem	<ol style="list-style-type: none"> <li>1. Check the IR sender's batteries</li> <li>2. Check if too much dust on the sender</li> </ol>

## Frequently Asked Questions

### **Q: Why I need 1280X1024 resolution?**

A: For CRT monitor, you can find more than one resolution at which you can get better display quality, but for LCD monitor, one panel only have one resolution at you can get the best display quality, others are not so good, even you can say its no good, normally, 15" LCD monitor's best resolution and highest resolution is 1024X768, for 17" and 19", its best and highest resolution is 1280X1024.

### **Q: What is the difference between LCD TV BOX and other such 640\*480 level TV box (for an example, TV box V for CRT)?**

A: The key difference is our LCD TV Box has a 9 bit input ADC and have a digital de-interlacer inside our main chip, which improves the picture quality.