

***AT2720B/2720***  
***Service Guide***

Service guide files and updates are available  
on the AIPG/CSD web; for more information,  
please refer to <http://csd.acer.com.tw>

---

# Revision History

Please refer to the table below for the updates made on AT2720B/2720 service guide.

| Date | Chapter | Updates |
|------|---------|---------|
|      |         |         |
|      |         |         |

---

## ***Copyright***

Copyright © 2006 by Acer Incorporated. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of Acer Incorporated.

## ***Disclaimer***

The information in this guide is subject to change without notice.

Acer Incorporated makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties of merchantability or fitness for any particular purpose. Any Acer Incorporated software described in this manual is sold or licensed "as is". Should the programs prove defective following their purchase, the buyer (and not Acer Incorporated, its distributor, or its dealer) assumes the entire cost of all necessary servicing, repair, and any incidental or consequential damages resulting from any defect in the software.

Acer is a registered trademark of Acer Corporation.

Intel is a registered trademark of Intel Corporation.

Other brand and product names are trademarks and/or registered trademarks of their respective holders.

---

## ***Conventions***

The following conventions are used in this manual:

|                        |                                                                                      |
|------------------------|--------------------------------------------------------------------------------------|
| <b>Screen messages</b> | Denotes actual messages that appear on screen.                                       |
| <b>NOTE</b>            | Gives bits and pieces of additional information related to the current topic.        |
| <b>WARNING</b>         | Alerts you to any damage that might result from doing or not doing specific actions. |
| <b>CAUTION</b>         | Gives precautionary measures to avoid possible hardware or software problems.        |
| <b>IMPORTANT</b>       | Reminds you to do specific actions relevant to the accomplishment of procedures.     |

---

## ***Preface***

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

---

## **Chapter1 System Specifications 1**

- Features 1
- Product Specification 3
- Block Diagram 4
- Board Layout 7
- LCD TV Overview 8
- Rear Panel View 9
- Remote Control 11
- Basic Connection 14
- OSD Navigation 19
- Empowering Technology 21
- Advanced Features 23

## **Chapter2 System Utilities 28**

- Firmware Upgrade Utility 28
- Firmware Upgrade Procedure 29

## **Chapter3 Machine Disassembly and Replacement 33**

- General Information 34
- Disassembly Procedure 35

## **Chapter4 Troubleshooting 41**

- AT2720B/2720 Troubleshooting Guideline 42

## **Chapter5 FRU (Field Replaceable Unit) List 56**

- Exploded Diagram 58
- FRU List 60

# ***System Specifications***

---

## ***Features***

### ***LCD Panel***

- ☐ Max. resolution: 1366 x 768
- ☐ Display area: 27 inches
- ☐ Display color: 16.7 M colors
- ☐ Lift Time: 60000 Hours
- ☐ Input signal: 1-ch LVDS
- ☐ Contrast ratio: 1200:1 (Min.)
- ☐ Brightness: 500 Cd/m<sup>2</sup> (Min.)
- ☐ Respond time: Gray to Gray Tr=Tf=6.5ms(Max.)
- ☐ Viewing angle: 88°(L) / 88° (R), 88° (U) / 88° (D)

### ***I/O functions***

- ☐ RCA jack (YUV and CVBS) for YPbpr, YCbCr, Video and Audio
- ☐ 15-pin D-Sub for VGA
- ☐ 19-pin HDMI(optional)
- ☐ DIN45325 (IEC169-2) terminal for TV / CATV input
- ☐ 3.5 mm earphone jack for audio line input

### ***Video functions***

- ☐ Support PAL / NTSC / SECAM video format
- ☐ Support 480i/576i, 480p/576p, 1080i and 720p format
- ☐ Built-in teletext functions
- ☐ Built-in dynamic adaptive smoothing filter
- ☐ Built-in dynamic temporal frame-filtering noise reduction
- ☐ Built-in dynamic motion and edge adaptive de-interlacing
- ☐ Film mode 3:2 & 2:2 pull down
- ☐ Screen display model 16:9 / 4:3 / panorama / zoom / PIP / POP

### ***Mechanical***

- ☐ VESA mounting holes

### ***Multi-Sound System***

- ☐ NICAM
- ☐ FM Stereo (A2)

### ***Power Source***

- ☐ Input voltage: 90 ~ 264V, 47 ~ 63Hz
- ☐ Input current: 2.7A max. at 100 Vac
- ☐ Power consumption: 161 Watts

- 
- ❑ Stand-by: 5 Watts max.

### ***Remote Controller***

- ❑ Multi-function remote controller

### ***Speaker***

- ❑ Internal speaker: 5W x 2
- ❑ Amplifier: 5W x 2 stereo, volume adjustable

### ***Environmental Requirement***

- ❑ Operating temperature: 0 °C to 35 °C
- ❑ Operating humidity: 10% to 90% (non-condensing)
- ❑ Storage temperature: -20 °C to 60 °C
- ❑ Shipping temperature: -20 °C to 60 °C
- ❑ Storage humidity: 10% to 90% (non-condensing)
- ❑ Shipping humidity: 10% to 90% (non-condensing)

### ***Others***

- ❑ On screen display adjustment function
- ❑ ISP (In System Programming) function available for revising driver easily

---

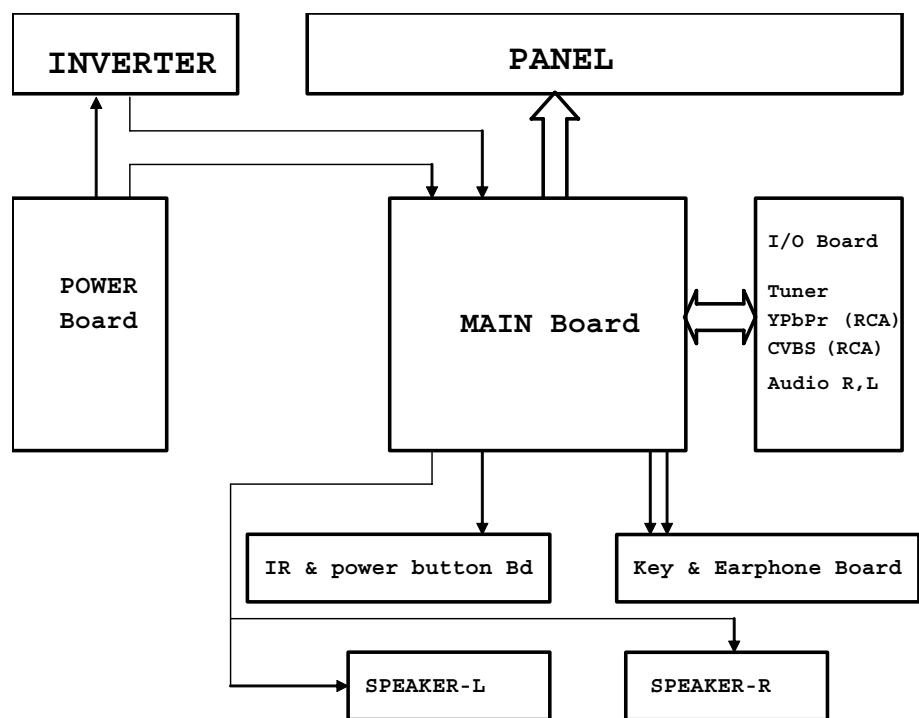
## Product Specification

| Model                     | AT2720                          |
|---------------------------|---------------------------------|
| <b>Panel spec.</b>        |                                 |
| Technology                | SMVA+                           |
| Resolution (pixels)       | 1366 x 768                      |
| Brightness (typ.)         | 500 nits                        |
| Contrast Ratio (typ.)     | 1200:1                          |
| Display color             | 16.7M                           |
| Viewing Angle(typ.)       | H: 176 ; V: 176                 |
| Response (typ.)           | 6.5ms (gray to gray)            |
| <b>Power supply</b>       |                                 |
| Input                     | 100V ~ 240V AC (50 ~ 60Hz)      |
| Max. power consumption    | 161W                            |
| Power saving              | 5W                              |
| <b>Mechanical</b>         |                                 |
| Dimensions (W x H x D mm) | 693 * 529 * 195                 |
| Weight (g)                | 200mm x 100mm                   |
| <b>Analog TV system</b>   |                                 |
| TV Color system           | PAL                             |
| Sound system              | B/G/K/D/I/L                     |
| Stereo system             | FM-FM                           |
| Subtitle                  | TeleText B system 100 pages     |
| Analog TV Tuner quantity  | 1                               |
| <b>Terminal</b>           |                                 |
| Analog Tuner In           | 1                               |
| AV1                       | RCA for CVBS, S-video, AudioR/L |
| AV2                       | RCA for CVBS, S-video, AudioR/L |
| AV3                       | CVBS/YPbPr and Audio R/L        |
| Component1                | RCA for YUV, AudioR/L           |
| Component2                | RCA for YUV, AudioR/L           |
| HDMI                      | 1                               |
| PC D-sub in               | Yes                             |
| PC Audio in               | Yes                             |
| Earphone                  | None                            |
| <b>Audio system</b>       |                                 |
| Speaker                   | 5W                              |

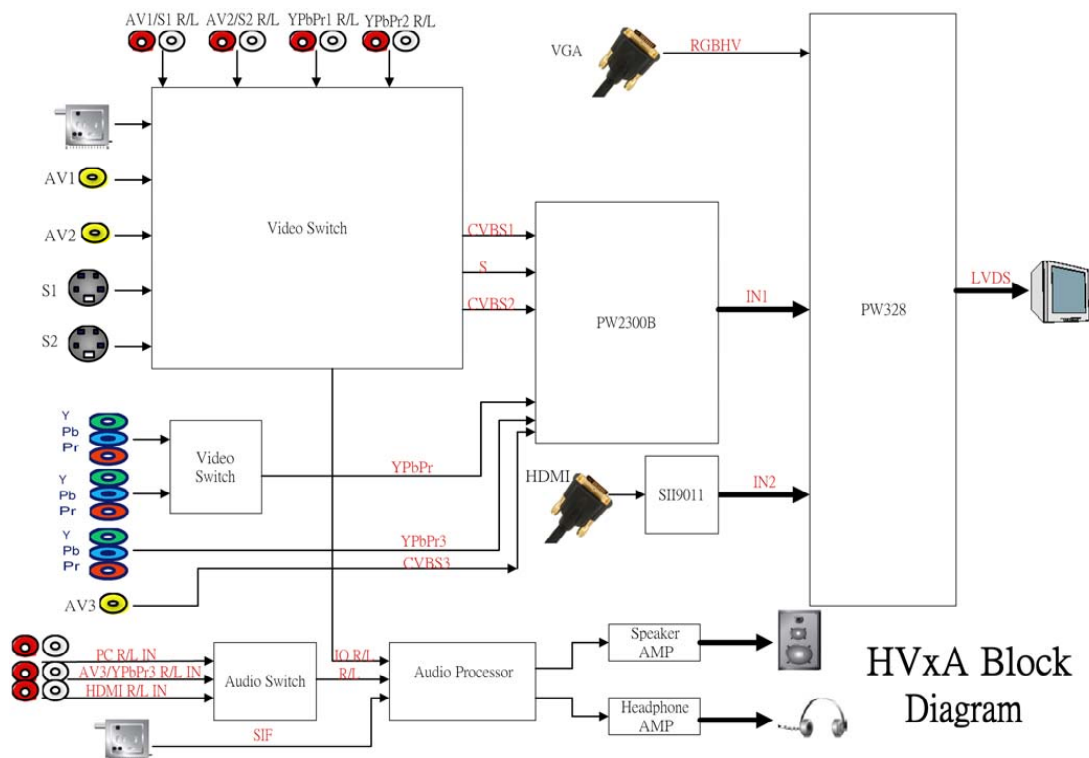
---

# Block Diagram

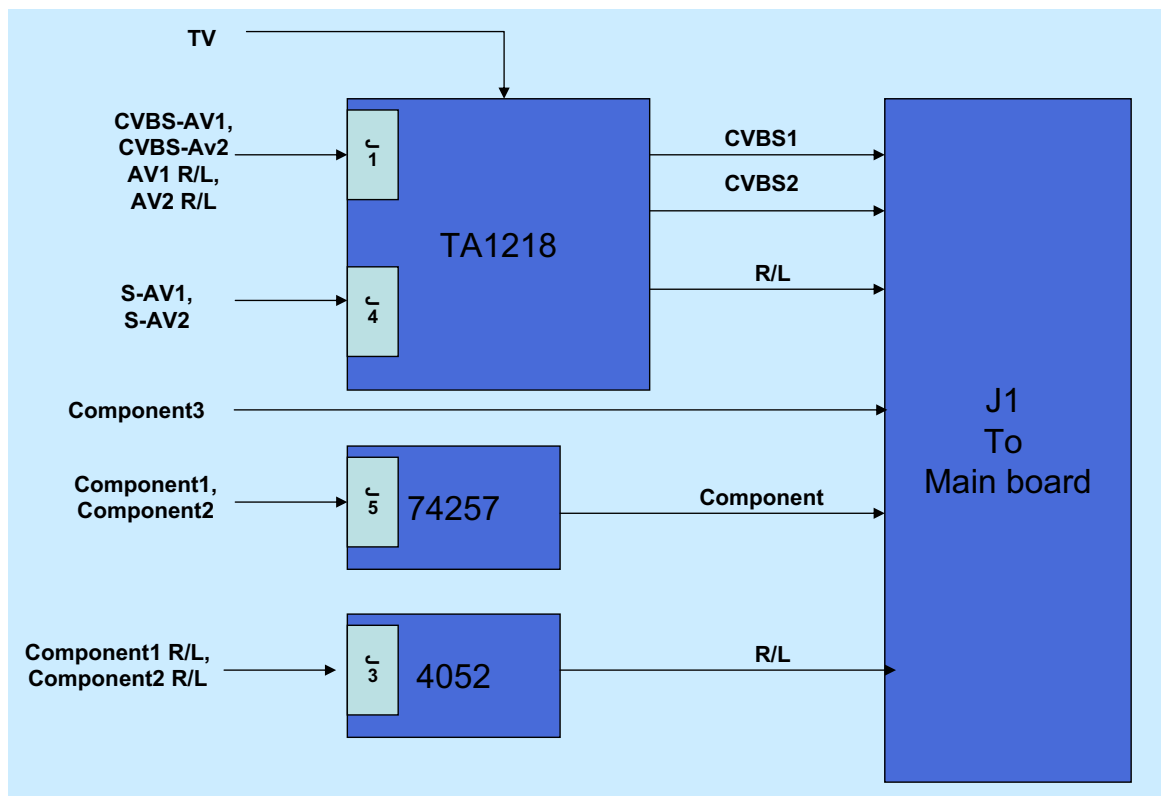
## System Block & Wiring Diagram



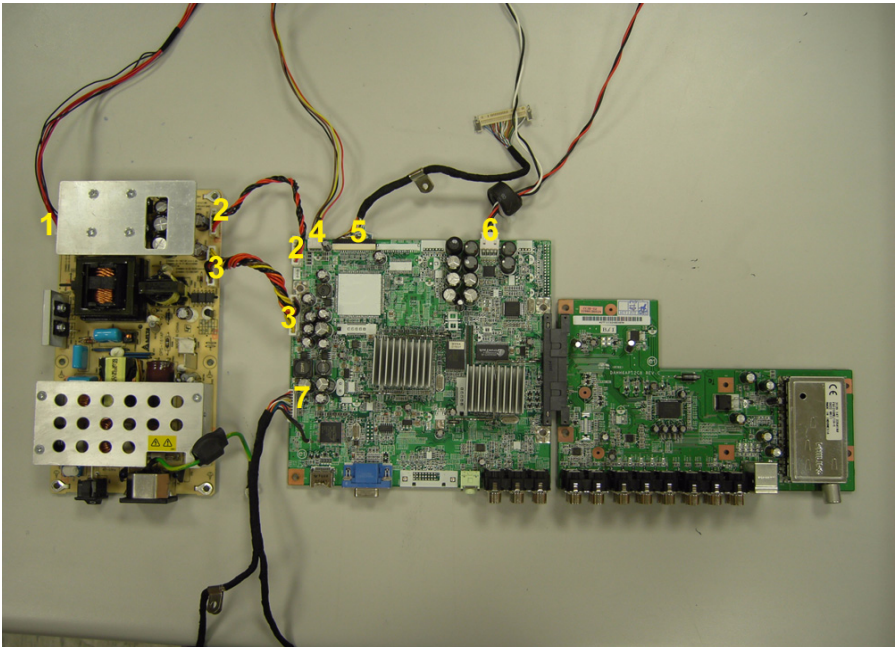
## LCD Main Board Block Diagram



## I/O Board Block Diagram



# Board Layout



Cable Arrangement

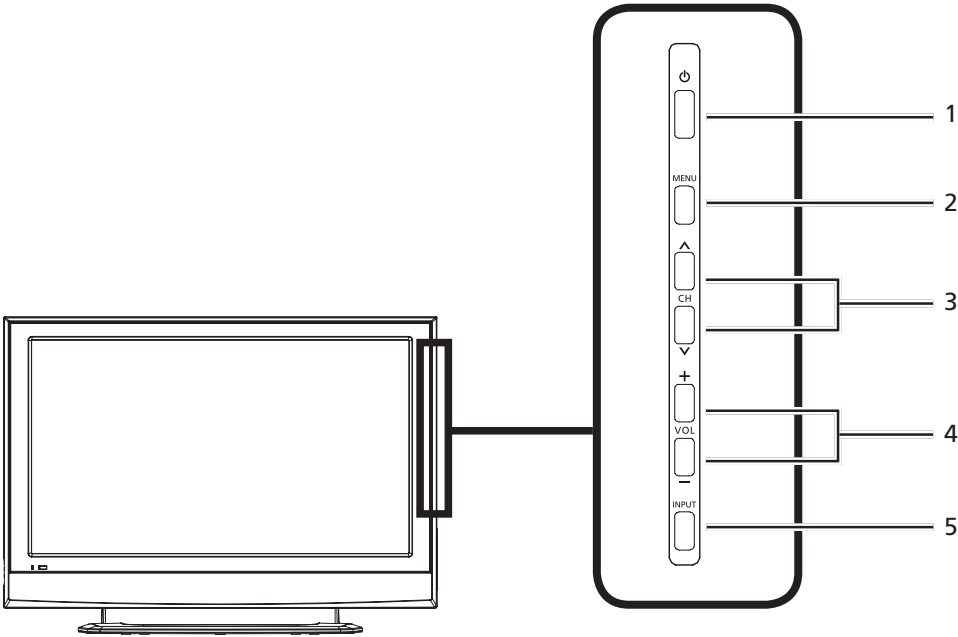
| No. | Connector   | Cable Description                      |
|-----|-------------|----------------------------------------|
| 1   | CN902       | Inverter cable                         |
| 2   | CN903-CON15 | Audio cable-Main board to power board  |
| 3   | CN904-CON11 | Power cable                            |
| 4   | CON7        | Inverter cable                         |
| 5   | CON18       | LVDS cable                             |
| 6   | CON13       | Speaker cable                          |
| 7   | CON6        | Button board-IR board-Main board cable |

# LCD TV Overview

## Front Panel View

### AT2720B/AT2720

| No. | Description     |
|-----|-----------------|
| 1   | Power On/Off    |
| 2   | Menu key        |
| 3   | Channel up/down |
| 4   | Volume up/down  |
| 5   | Input key       |

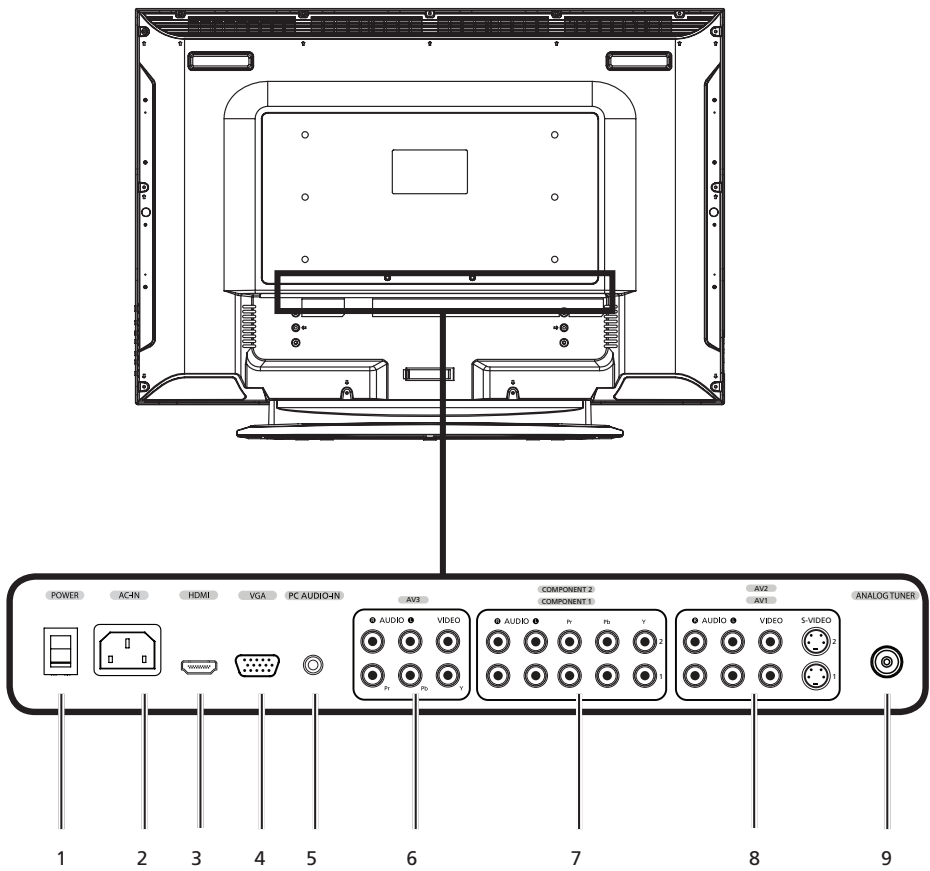


|   |              |                                                             |
|---|--------------|-------------------------------------------------------------|
| 2 | Menu key     | Turns the OSD menu On and Off                               |
| 3 | Channel up   | When the OSD is on, functions the same as the Up arrow.     |
|   | Channel down | When the OSD is on, functions the same as the down arrow.   |
| 4 | Volume up    | When the OSD is on, functions the same as the Right arrow.  |
|   | Volume down  | When the OSD is on, functions the same as the Left arrow.   |
| 5 | Input key    | When the OSD is on, press this button to confirm selection. |

# Rear Panel View

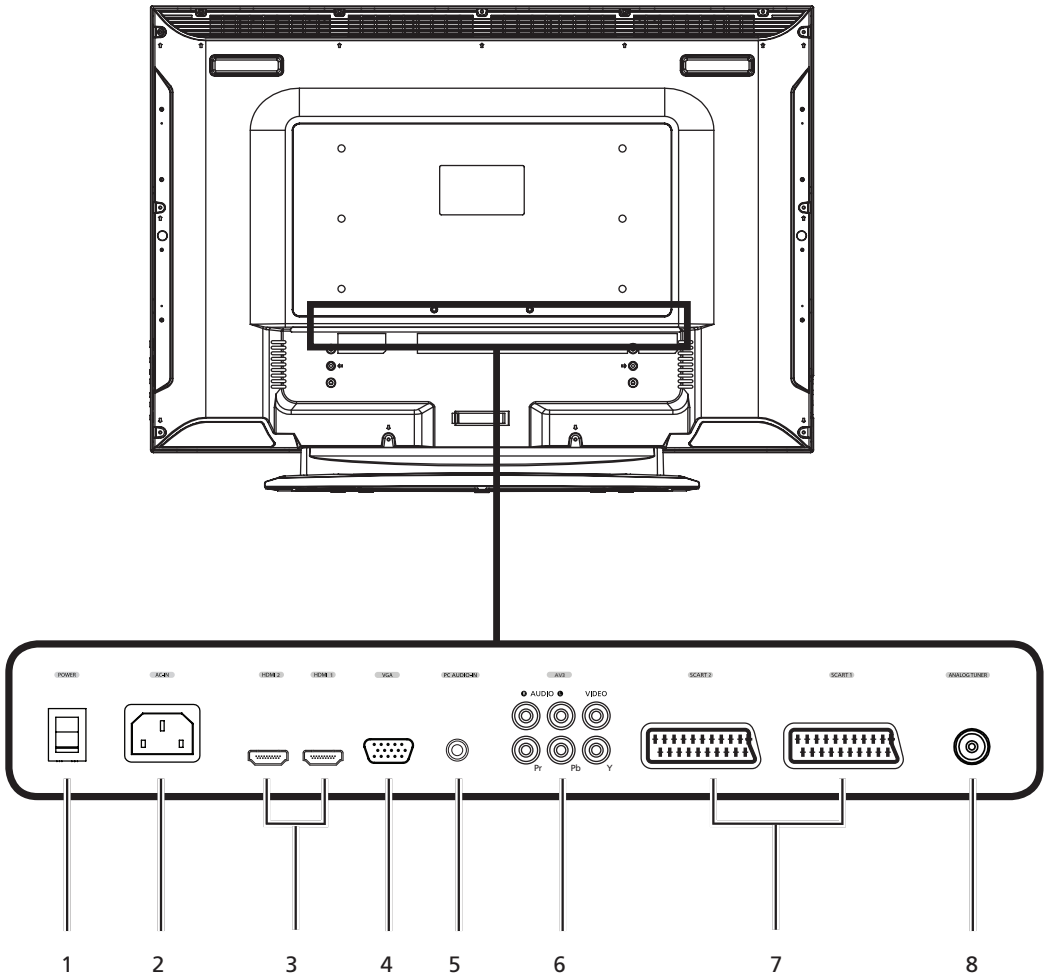
AT2720B

| No. | Description                     |
|-----|---------------------------------|
| 1   | Power switch                    |
| 2   | AC-in                           |
| 3   | HDMI                            |
| 4   | VGA-in                          |
| 5   | PC Audio in                     |
| 6   | Audio L/R + CVBS + COMPONENT(*) |
| 7   | Audio L/R + COMPONENT 1/2       |
| 8   | Audio L/R + CVBS 1/2 + S-Video  |
| 9   | Analog antenna                  |



AT2720

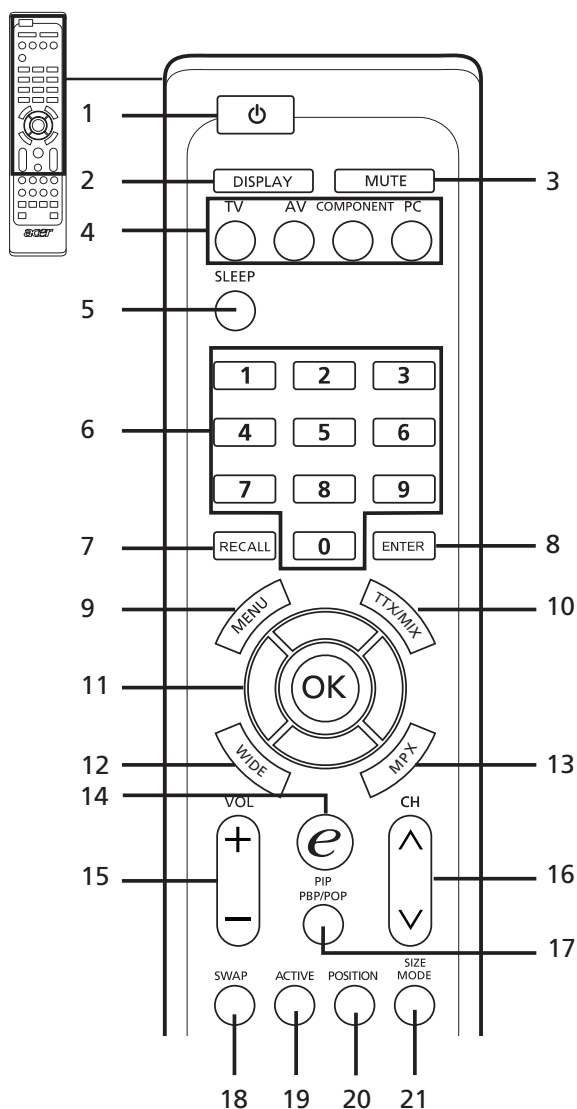
| No. | Description                     |
|-----|---------------------------------|
| 1   | Power switch                    |
| 2   | AC-in                           |
| 3   | HDMI                            |
| 4   | VGA-in                          |
| 5   | PC Audio in                     |
| 6   | AV-Audio L/R + CVBS + COMPONENT |
| 7   | SCART                           |
| 8   | Analog antenna                  |



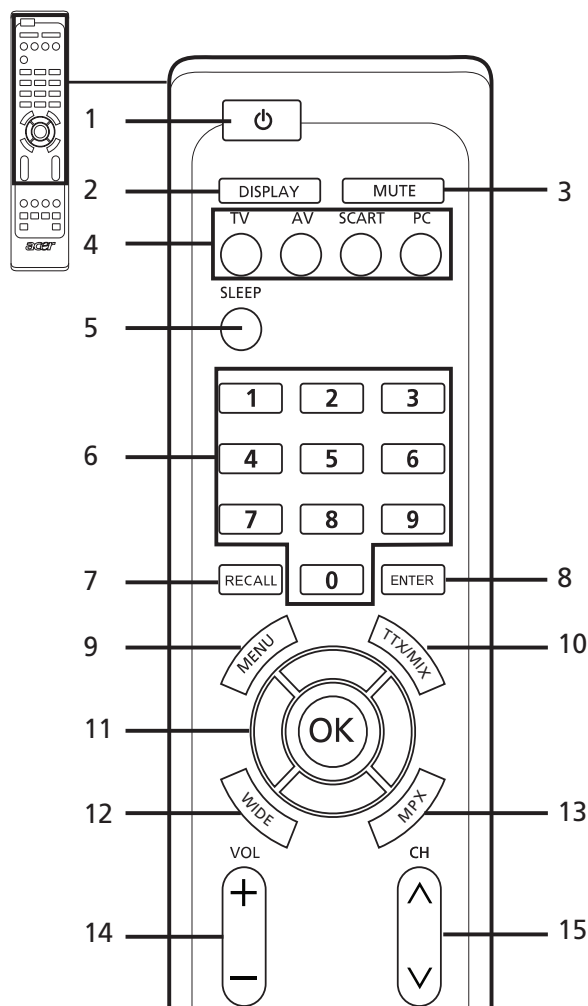
# Remote Control

## General keys

AT2720B

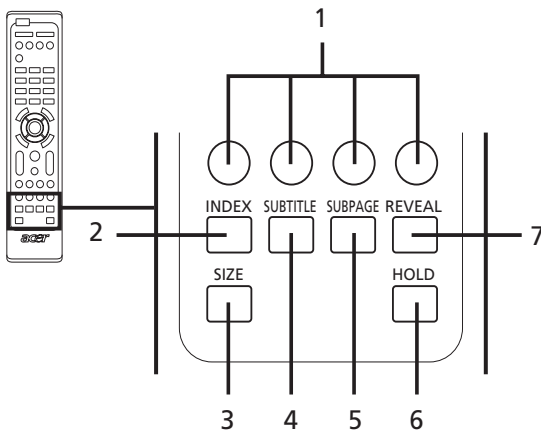


1. Power: Press to turn on/off your TV.
2. Display: Press to display input/channel information
3. Mute: Press to toggle audio on and off
4. Input buttons(TV/AV/COMPONENT/PC): Press to select correct input mode.
5. Sleep: Press to set a time period after which the TV will switch itself to standby(15,30,45,60,90 or 120 minutes)
6. Number keys
7. RECALL: Press to return to previous channel
8. ENTER: Press to confirm channel number selection.
9. Menu: Press to open or close the menu.
10. TTX/MIX (TELETEXT/MIX): Press to switch from TV/AV to Teletext mode. Press to overlay teletext page on the TV image.
11. Directional keys/OK: VOL(+/-), CH(up/down)
12. WIDE: Press to toggle scaling mode between 4:3, 16:9, Panorama and letterbox 1,2,3 modes.
13. MPX: Press to select the sound input, displayed in the top right-hand corner(mono, stereo, bilingual)
14. e(Empowering Technology): Press to activate Acer Empowering Technology.
15. VOL(+/-): Press to increase or decrease the volume.
16. CH(up/down): Press to sequentially select the TV channel.
17. PIP/PBP/POP: Switch between PIP/PBP/POP modes.
18. SWAP: For PIP/PBP mode: Toggle between the primary and subscreens.
19. ACTIVE: Toggle between primary and subscreens.
20. POSITION: When in PIP mode: Change subscreen position.
21. SIZE/MODE: When in PIP mode: Change subscreen size. When in POP mode: Switch POP mode from 1+5 to 1+12.



- 1. Power:** Press to turn on/off your TV.
- 2. Display:** Press to display input/channel information
- 3. Mute:** Press to toggle audio on and off
- 4. Input buttons (TV/AV/COMPONENT/PC):** Press to select correct input mode.
- 5. Sleep:** Press to set a time period after which the TV will switch itself to standby (15, 30, 45, 60, 90 or 120 minutes)
- 6. Number keys**
- 7. RECALL:** Press to return to previous channel
- 8. ENTER:** Press to confirm channel number selection.
- 9. Menu:** Press to open or close the menu.
- 10. TTX/MIX (TELETEXT/MIX):** Press to switch from TV/AV to Teletext mode. Press to overlay teletext page on the TV image.
- 11. Directional keys/OK:** VOL(+/-), CH(up/down)
- 12. WIDE:** Press to toggle scaling mode between 4:3, 16:9, Panorama and letterbox 1,2,3 modes.
- 13. MPX:** Press to select the sound input, displayed in the top right-hand corner (mono, stereo, bilingual)
- 14. VOL(+/-):** Press to increase or decrease the volume.
- 15. CH(up/down):** Press to sequentially select the TV channel.

## Teletext



- 1.**Color buttons(R/G/Y/B): Operates corresponding button on the teletext page.
- 2.**Index: Press to go to the index page
- 3.**Size: Press once to zoom teletext page to 2x. Press again to resume.
- 4.**Subtitle: Press to view subtitles on the screen.
- 5.**Subpage: Press to access the teletext's subpages directly.
- 6.**Hold: Press to pause the current teletext page in multi-page viewing mode.
- 7.**Reveal: Press to reveal hidden teletext information.

---

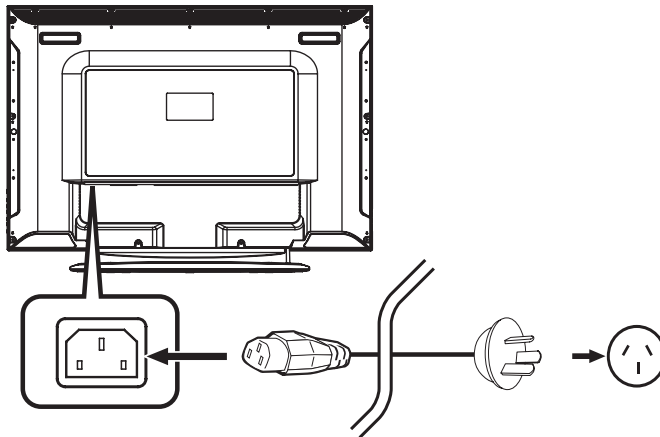
## ***Basic Connection***

### ***Connecting the Power Cord***

1. Connect the AC cord into the AC input on the back of the set.
2. Connect the plug to the wall outlet as shown.

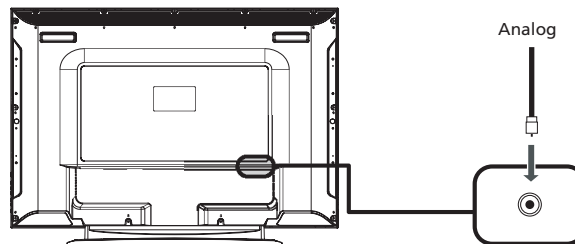
### ***Setting up the remote control***

1. Open the cover on the back of the remote unit.
2. Insert two AAA battery(supplied)to match the polarity indicated inside the battery compartment.

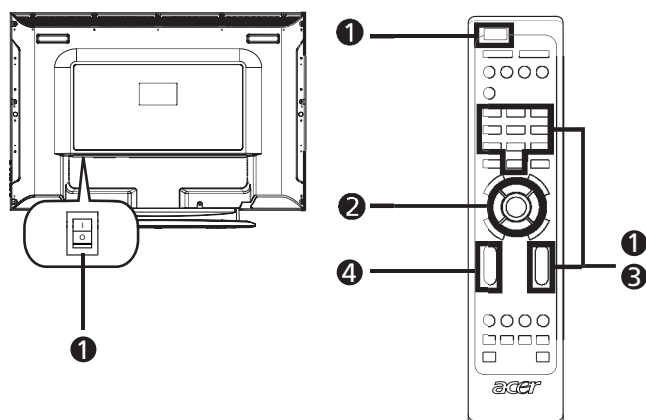


### ***Connecting an Antenna Cable***

Connect the antenna cable to the appropriate antenna terminal on the back of the TV set as shown below.



## Getting started watching your TV



1. Select the setup language you prefer.
2. Please select country.
3. Ensure that your co-axial cables connected correctly before proceeding.
4. Scan for analog channels.
5. Setup is now complete. You are ready to begin watching TV.

If you leave the setup process before it is complete, you will be given a choice of options:

1. Resume setup
2. Resume setup wizard at next startup
3. Exit and do not remind me

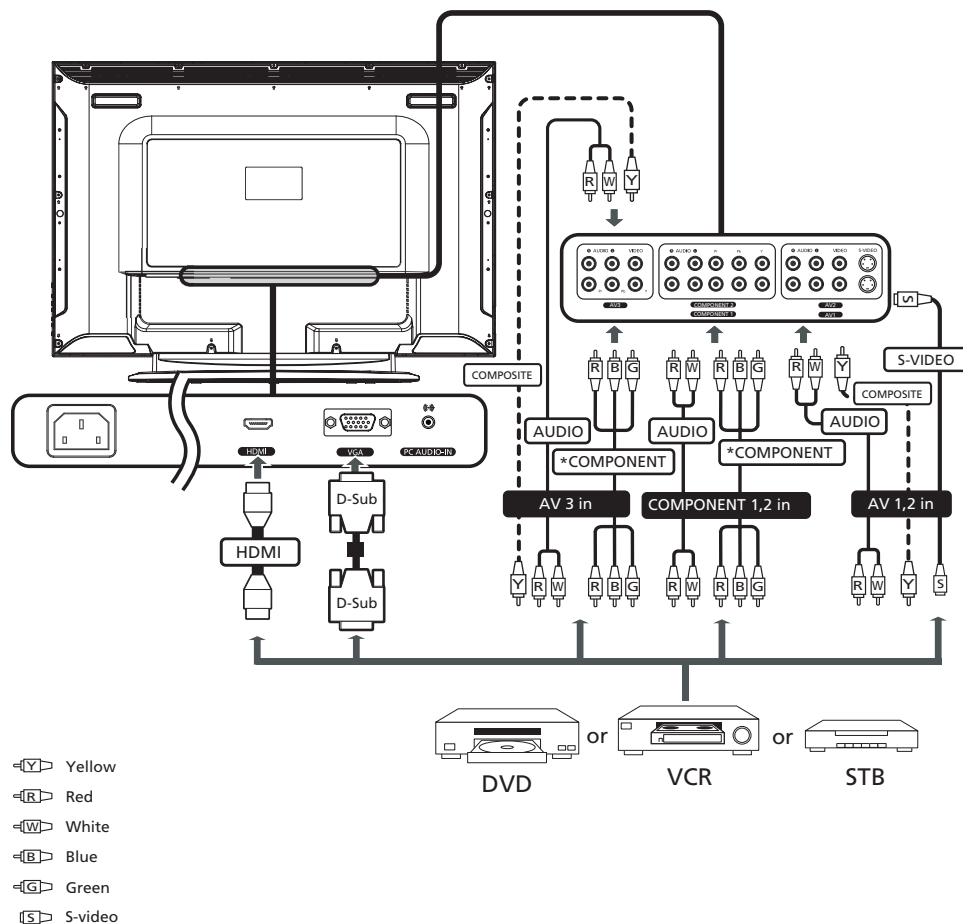
Select an option and press OK to exit.

| No. | Description                                                                                                                                                                                                                                                                            |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | <b>Power</b><br>a. Turn on the power switch beneath the screen.<br>b. Press the power button, number keys or channel up / down button on the remote control.                                                                                                                           |
| 2   | <b>Setup Wizard</b><br>The first time you switch on the TV, the Setup Wizard will guide you to complete the language selection and channel scanning.<br>Press OK key to begin the setup process.                                                                                       |
| 3   | <b>Changing channels</b><br>a. Press 0-9 on the remote control to select a channel. The channel changes after 2 seconds. Press ENTER to select the select the channel immediately.<br>b. Pressing the channel (CH) up/ down button on the remote control will also change the channel. |
| 4   | <b>Adjusting the volume</b><br>Adjust the volume level using the (VOL) +/- button on the remote control.                                                                                                                                                                               |

## Connecting a DVD / VCR / STB / Audio / Video Equipment

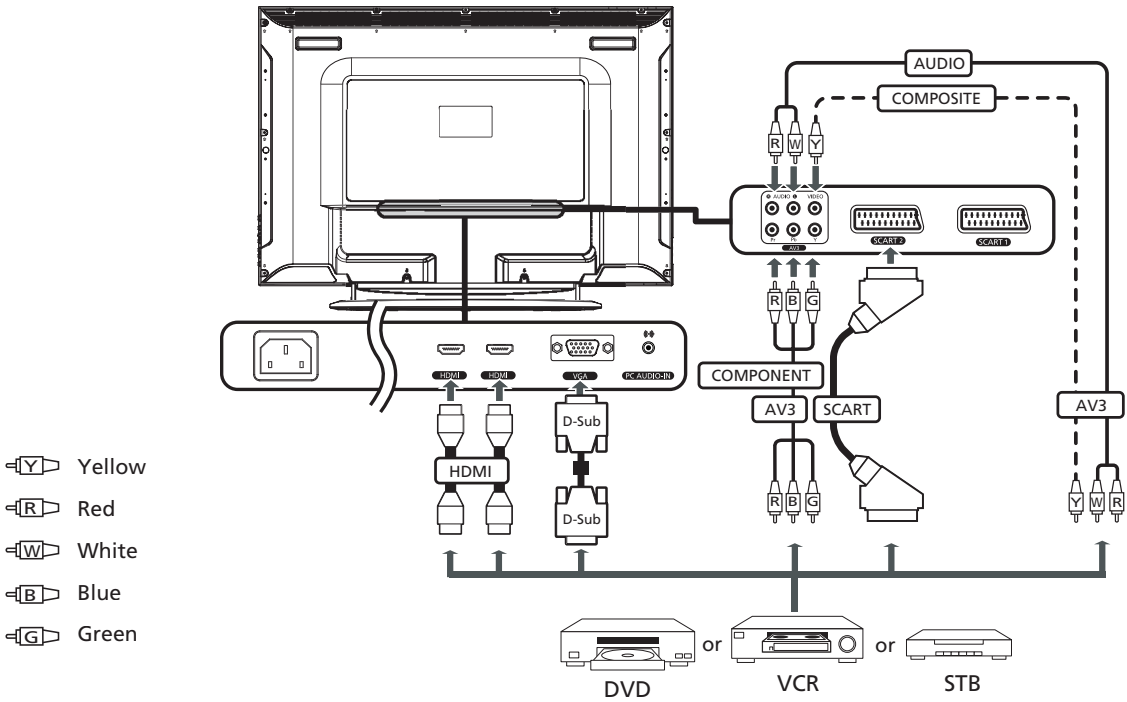
Connect the DVD player, VCR or audio / video equipment using the SCART port located at the rear of the LCD TV as shown.

### AT2720B



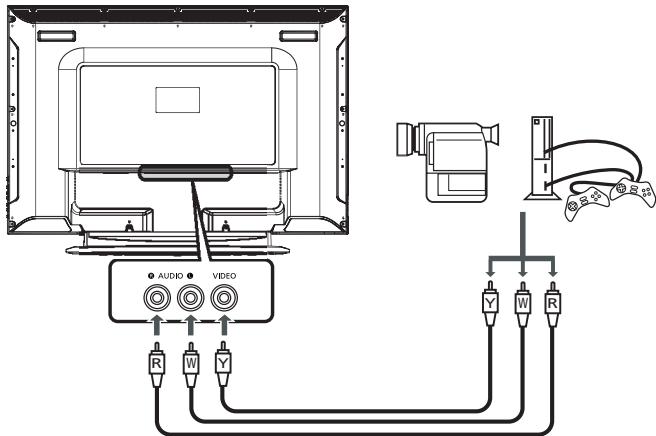
**NOTE:** Acer recommends the following priority for connection types: HDMI -> DVI -> D-Sub -> COMPONENT -> S-Video -> Composite.

Source-IN



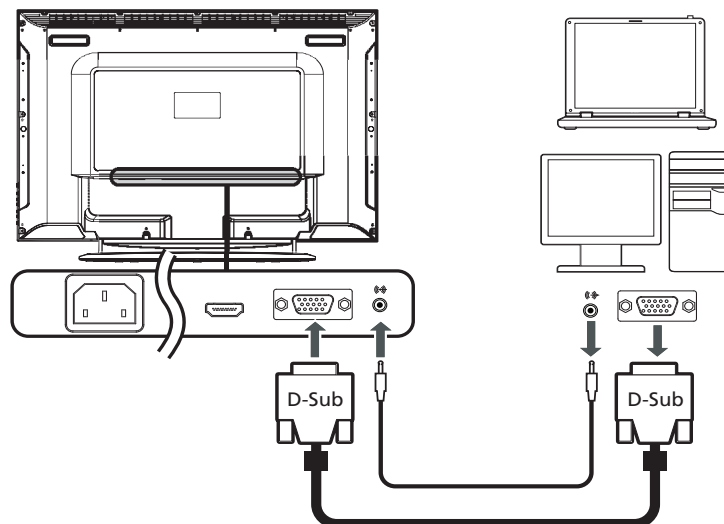
**Connecting a Camera / Camcorder / Video Game**

Connect the camera or camcorder to the video / audio ports on the rear of the TV set as shown below.



**Connecting a Desktop / Notebook Computer**

To display PC output on the LCD TV, connect the desktop or notebook computer to the TV as shown below.

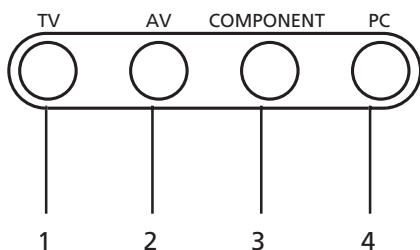


**NOTE:** For VGA input, Acer recommends setting your PC's external monitor resolution to 1360 x 768 pixels @ 60Hz refresh rate.

## Selecting the Input Source

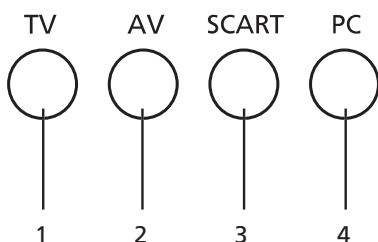
Once you have connected your antenna or external equipment to the TV, you need to select the correct input source. Press the corresponding button on the remote control to select the correct input source.

### AT2720B



1. TV key: Toggle Analog TV (ATV) between input sources.
2. AV key: Toggle AV3 and HDMI(\*) between input sources.
3. COMPONENT key: Toggle COMPONENT1-2 between input sources.
4. PC key: Toggle VGA and DVI(\*\*) between input sources.

### AT2720



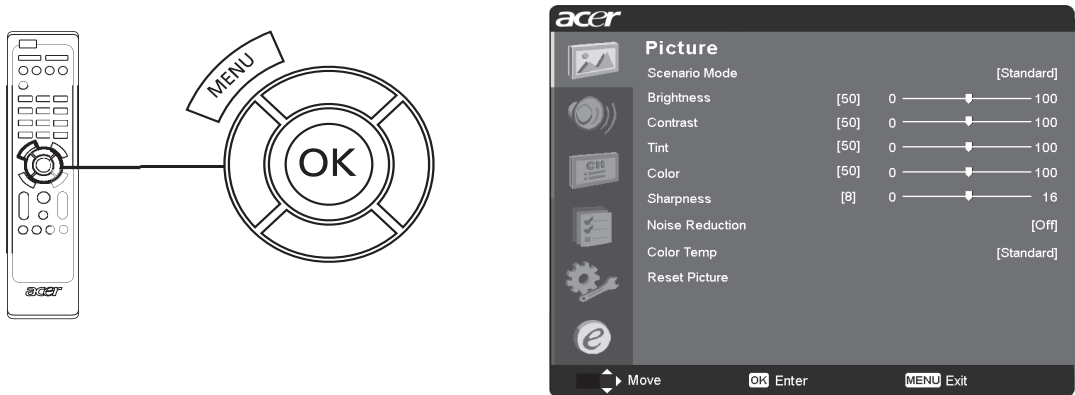
1. TV key: Toggle Analog TV (ATV) between input sources.
2. AV key: Toggle AV3 and HDMI(\*) between input sources.
3. SCART key: Toggle SCART1-2 between input sources.
4. PC key: Toggle VGA between input sources.

# OSD Navigation

Many of the advanced settings and adjustments are available through using the OSD (On Screen Display) menus, as shown in the example screenshot below.

Basic operations required to navigate these menus (Picture, Audio, Channel management, Settings, Empowering) are described in this section. The first time you access the OSD, you will be asked to choose your language settings.

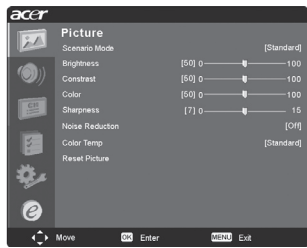
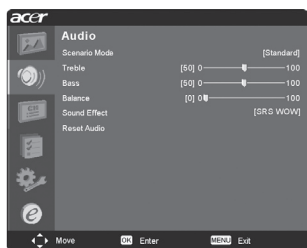
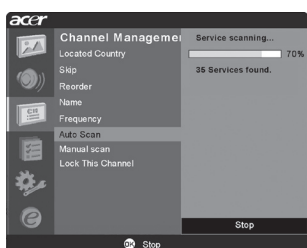
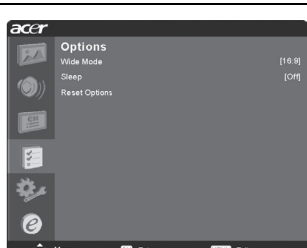
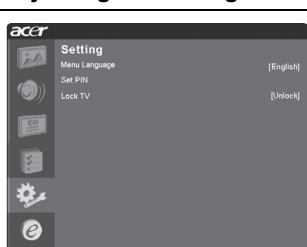
## Navigating the OSD with the Remote Control



|                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| There are six main OSD menus. These are Picture, Audio, Channel management, Options, Settings and Empowering. Use the following method to navigate these menus. |  |                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1                                                                                                                                                               |  | Press the <b>MENU</b> button on the remote control or the <b>MENU</b> button on the control panel.                                                                                                                                                                                                                                                                                                 |
| 2                                                                                                                                                               |  | Select your desired menu by using the up and down <b>directional keys</b> to switch between the six menus.                                                                                                                                                                                                                                                                                         |
| 3                                                                                                                                                               |  | Use the <b>directional keys</b> to interact with the menu. The up / down directions will scroll through the menu options, while left / right will adjust the different settings (for example, in the Picture menu, settings such as brightness, contrast, etc.). If there are no further adjustments, hold down <b>Enter</b> on the remote control for more than two seconds to save the settings. |

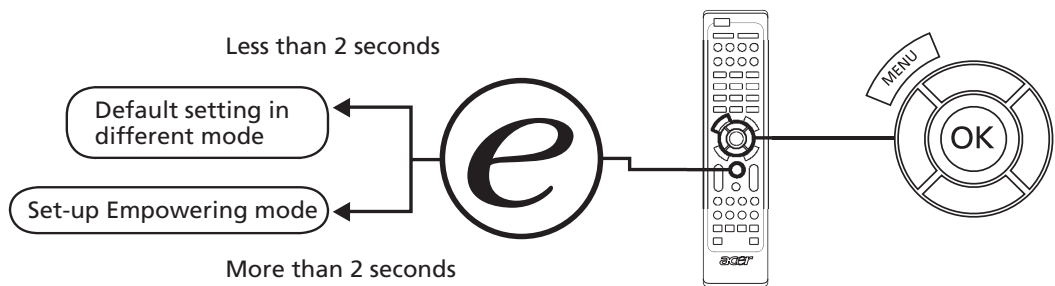
## Adjusting the OSD Settings

You can use the OSD to adjust the picture quality, audio settings, channel settings, general settings and the Empowering Technology settings. For advanced settings, please refer to the following table.

| Adjusting the picture quality                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <ol style="list-style-type: none"><li>1. Press the <b>MENU</b> key to bring up the OSD.</li><li>2. Using the directional keys, select <b>Picture</b> from the OSD. Then navigate to the picture element you wish to adjust.</li><li>3. Use the left or right keys to adjust the sliding scales.</li><li>4. The <b>Picture</b> menu can be used to adjust the current Scenario mode, brightness, contrast, color, sharpness and other image-related qualities.</li></ol>      |
| Adjusting the audio settings                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|    | <ol style="list-style-type: none"><li>1. Press the <b>MENU</b> key to bring up the OSD.</li><li>2. Using the directional keys, select <b>Audio</b> from the onscreen display. Then navigate to the feature you wish to adjust.</li><li>3. Use the up or down keys to adjust the sliding scale. Press <b>OK</b> to save.</li><li>4. The <b>Audio</b> menu can also be used to adjust the treble, balance, sound effects and other important sound-related settings.</li></ol> |
| Adjusting the channel management                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|   | <ol style="list-style-type: none"><li>1. Press the <b>MENU</b> key to bring up the OSD.</li><li>2. Using the directional keys, select <b>Channel management</b> from the OSD.</li><li>3. Use the directional keys to navigate the menus.</li><li>4. The <b>Channel management</b> menu can be used to adjust and set the TV ratings.</li></ol>                                                                                                                               |
| Adjusting other options                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | <ol style="list-style-type: none"><li>1. Press the <b>MENU</b> key to bring up the OSD.</li><li>2. Using the directional keys, select <b>Options</b> from the OSD.</li><li>3. Use the directional keys to navigate the menus.</li><li>4. The <b>Options</b> menu can be used to select the picture aspect-ratio mode and set the sleep timer.</li></ol>                                                                                                                      |
| Adjusting the settings                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|  | <ol style="list-style-type: none"><li>1. Press the <b>MENU</b> key to bring up the OSD.</li><li>2. Using the directional keys, select <b>Settings</b> from the OSD. Then navigate to the feature you wish to adjust.</li><li>3. The <b>Settings</b> menu can be used to adjust the menu language, time zone, set the PIN, the TV censorship levels, and other important settings.</li></ol>                                                                                  |

**NOTE:** The options available on the OSD may vary depending on the TV signal source.

# Empowering Technology



The Empowering Key opens up the Acer Empowering Technology functions. In TV mode, the choice is between Scenario mode and Favorite channel. The default setting for both modes is Scenario mode.

## Set-up Empowering mode

To change the Empowering Key's default setting:

|   |  |                                                                                                            |
|---|--|------------------------------------------------------------------------------------------------------------|
| 1 |  | Press and hold the <b>Empowering Key</b> for more than <b>two seconds</b> to open the menu.                |
| 2 |  | <p>More than 2 seconds</p> <p><b>TV mode Empowering Key settings menu</b></p>                              |
| 3 |  | Use the <b>directional keys</b> to navigate the menu and select the Empowering Technology icon.            |
| 3 |  | Press <b>MENU</b> to exit. Now, when you press the Empowering Key, your chosen selection will be accessed. |

# Defaulting setting in different Empowering mode

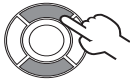
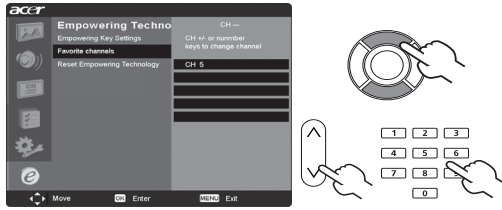
## Scenario mode in TV (default setting)

Scenario mode has five preset viewing modes designed to give you the best picture quality when watching a particular kind of program. There are five pre-defined audio and video settings for optional enjoyment of the following scenarios: Standard TV, Movie, Sport, Concert, Game, User.

|  | Pressing the <b>Empowering Key</b> for less than <b>two second</b> will toggle between the different modes.                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mode                                                                              | Information                                                                                                                                                                                                                                                                                                                                                                                       |
| Standard                                                                          | Standard mode allows you to watch your favorite channels with sharp, brilliant imagery via adaptive brightness and contrast adjustments, and listen to clear-sounding audio.                                                                                                                                                                                                                      |
| Movie                                                                             | For comfortably enjoying movies at home, Movie mode displays dim scenes in clear detail; compensates for color; and smoothly presents motion images. This is accomplished through optimal Gamma correction plus saturation, brightness and contrast adjustments. Movie mode makes the most of high-definition movie soundtracks.                                                                  |
| Game                                                                              | Game mode carefully details the exquisite graphics of modern video games, providing lifelike entertainment while protecting your eyesight by adjusting brightness and contrast. What's more, Game mode provides a heightened audio experience.                                                                                                                                                    |
| Sports                                                                            | Sports mode is suited for outdoor sports programs, with accurate background depth and clear gradation between the bright, outdoor playing field and darker auditoriums. Sports mode also brilliantly enhances colors and presents swiftly moving pictures without residual images. All of this is achieved via specific Gamma corrections and saturation adjustments. Precise audio can be heard. |
| Concert                                                                           | Concert mode places you in a virtual concert hall, opera house or other dim environment by means of adaptive brightness and contrast adjustments. Concert mode accentuates symphonic harmonies and the tenor audio range.                                                                                                                                                                         |

## Favorite channel mode in TV

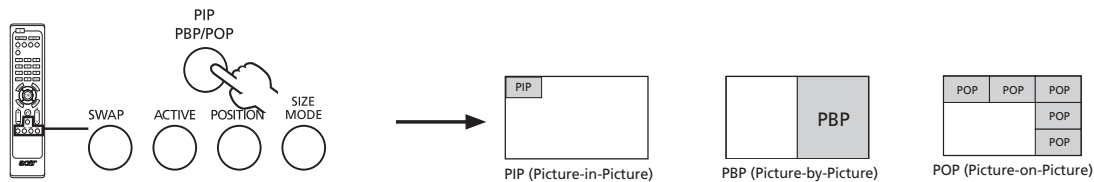
Favorite channel allows you to store five of your favorite TV channels and flick between them at the touch of a single button.

| Storing favorite channels      |                                                                                     |                                                                                                                                                                                                  |
|--------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                              |  | Select your desired channel, then press the <b>MENU</b> key on the remote control.                                                                                                               |
| 2                              |  | Use the <b>directional keys</b> to navigate the menu and select the Empowering Technology icon.                                                                                                  |
| 3                              |  | Navigate to a channel slot, use CH up/down button or number key to change channel.<br><br>There are a total of five slots in which you can store TV programs.                                    |
| Viewing your favorite channels |                                                                                     |                                                                                                                                                                                                  |
|                                |  | On the remote control, if you press the <b>Empowering Key</b> for less than two second, the TV will toggle between the five stored TV channels sequentially according to your list of favorites. |

# Advanced Features

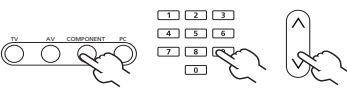
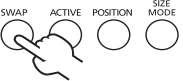
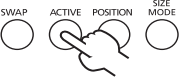
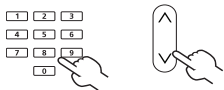
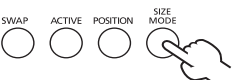
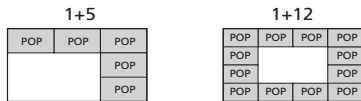
## PIP / PBP / POP

Press the PIP / PBP / POP button once to display activate picture-in-picture (PIP). Press twice to activate picture-by-picture (PBP). Press three times to activate picture-on-picture (POP). Then, the POP screens will display the TV channel programs one by one.



**NOTE:** The OSD menu is not available in PIP / PBP / POP modes.

|     |                                                              |                                                                                                                                                                |
|-----|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PIP | <p>SWAP ACTIVE POSITION SIZE MODE</p>                        | 1a. Press the <b>ACTIVE</b> key to toggle between PIP screens.                                                                                                 |
|     | <p>TV AV COMPONENT PC 1 2 3 4 5 6 7 8 9 0</p>                | 1b. Press the <b>TV, AV, COMPONENT</b> or <b>PC</b> keys, number keys or <b>CH</b> up or down to change the content of the active screen.                      |
|     | <p>SWAP ACTIVE POSITION SIZE MODE</p> <p>PIP Swap PIP</p>    | 2. Press the <b>SWAP</b> key to change the content between the primary and the subscreen.                                                                      |
|     | <p>SWAP ACTIVE POSITION SIZE MODE</p> <p>PIP PIP PIP PIP</p> | 3. Press the <b>POSITION</b> key to select the location of the subscreens, from upper left -> upper right -> lower right -> lower left, as shown in the image. |
|     | <p>SWAP ACTIVE POSITION SIZE MODE</p> <p>PIP</p>             | 4. Press the <b>SIZE/MODE</b> key to select the size of the subscreen, from 25% -> 37.5% -> 50%, as shown in the image.                                        |

|     |                                                                                                                                                                         |                                                                                                                                                           |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| PBP |                                                                                        | 1a. Press the <b>ACTIVE</b> key to toggle between PBP screens.                                                                                            |
|     |                                                                                        | 1b. Press the <b>TV</b> , <b>AV</b> , <b>COMPONENT</b> or <b>PC</b> keys, number keys or <b>CH</b> up or down to change the content of the active screen. |
|     | <br>  | 2. Press the <b>SWAP</b> key to change the content between the primary and the PBP screen.                                                                |
| POP |                                                                                        | 1a. Press the <b>ACTIVE</b> key to toggle between POP screens.                                                                                            |
|     |                                                                                        | 1b. Press the number keys or <b>CH</b> up or down to change the TV channel on the active screen.                                                          |
|     | <br> | 2. Press the <b>SIZE/MODE</b> key to access the 1 + 5 or 1+12 picture-on-picture mode as shown in the image.                                              |

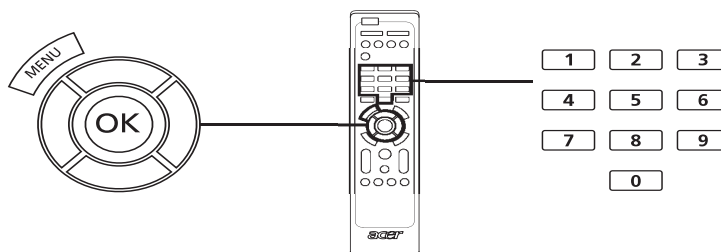
**NOTE:** In PIP and PBP, the VGA source only support input up to 1360x768 pixels at 60 Hz. For resolutions higher than this, “Out of Range” will be displayed.

**NOTE:** The POP can only support 1+12 when the main screen source is HD content or in VGA mode.

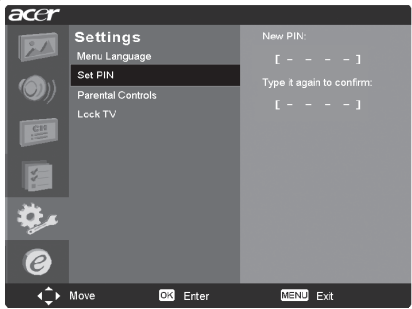
## Lock TV

### Locking TV content

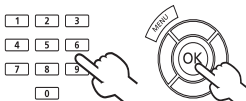
Lock TV is a handy feature that can block a single channel, multiple channels or all TV sources. Lock TV allows you to enter a password and effectively stop anyone without the password from watching TV.



To enable this feature:

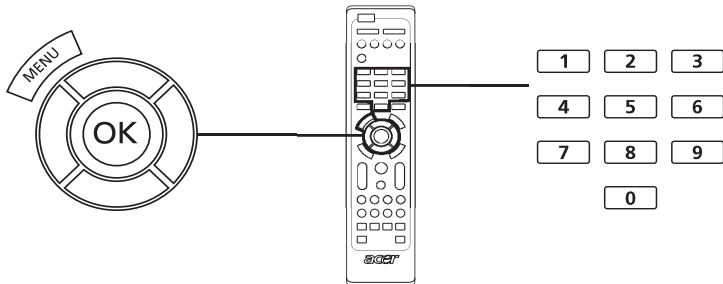
| Setting a personal PIN |                                                                                   |                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                      |  | <div><p>Press the <b>MENU</b> key on the remote control to bring up the OSD.</p></div>                     |
| 2                      |  | Use the <b>directional keys</b> to navigate to the  Settings menu. Then select <b>Set PIN</b> . (see note) |
| 3                      |  | Enter a four-digit password. Type it again and press <b>OK</b> to reconfirm.                                                                                                                |
| 4                      |  | Press <b>MENU</b> to exit.                                                                                                                                                                  |

**NOTE:** The default PIN for this TV is “0000”. First enter “0000” when you want to change the PIN. If you forget your PIN, please enter 6163 to reset.

| Locking your TV |                                                                                     |                                                                                                                                                                                    |
|-----------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1               |  | <div><p>Press the <b>MENU</b> key on the remote control to bring up the OSD.</p></div>          |
| 2               |  | Use the <b>directional keys</b> to navigate to the  Settings menu. Then select <b>Lock TV</b> . |
| 3               |  | Enter your PIN. Type it again and press <b>OK</b> to reconfirm. (see page 16 note)                                                                                                 |

# Re-scan for Channels

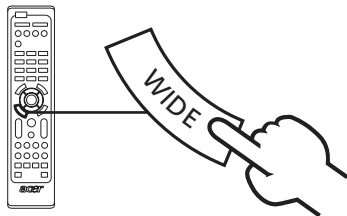
The first time you completed the setup wizard, all available channels were listed. If you need to re-scan for new channels, please follow the steps below:

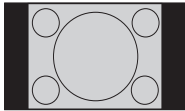
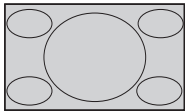
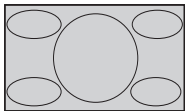
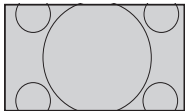


| Scanning for channels |  |                                                                                                            |
|-----------------------|--|------------------------------------------------------------------------------------------------------------|
| 1                     |  | Press the <b>MENU</b> key on the remote control to bring up the OSD.                                       |
| 2                     |  | Use the <b>directional keys</b> to navigate and select  Channel Management.                                |
| 3                     |  | <div></div> <div>Highlight <b>Auto Scan</b>. Then, select <b>Start</b> and press <b>OK</b> to begin.</div> |
| 4                     |  | Select <b>OK</b> and press <b>MENU</b> to exit.                                                            |

# Widescreen Display Mode

Your Acer LCD TV has a special widescreen mode that allows you to toggle between 4:3, 16:9, Panorama and Letterbox 1, 2 and 3 type view. Press the WIDE key on the remote control to toggle the display between the four wide modes.



|                       |                                                                                     |                                                                                                                              |
|-----------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 4:3                   |    | For 4:3 standard pictures. A side bar appears on each side.                                                                  |
| 16:9                  |                                                                                     |                                                                                                                              |
| 16:9                  |    | In this mode, the whole picture is stretched toward each side of the screen.                                                 |
| Panorama              |                                                                                     |                                                                                                                              |
| Panorama              |  | In this mode, the picture is progressively stretched toward each side of the screen.                                         |
| Letterbox 1, 2, and 3 |                                                                                     |                                                                                                                              |
| Letterbox 1, 2, and 3 |  | In this mode, the picture is enlarged linearly to fit the screen. The top and bottom portions of the picture may be cut off. |
|                       |                                                                                     |                                                                                                                              |

## ***System Utilities***

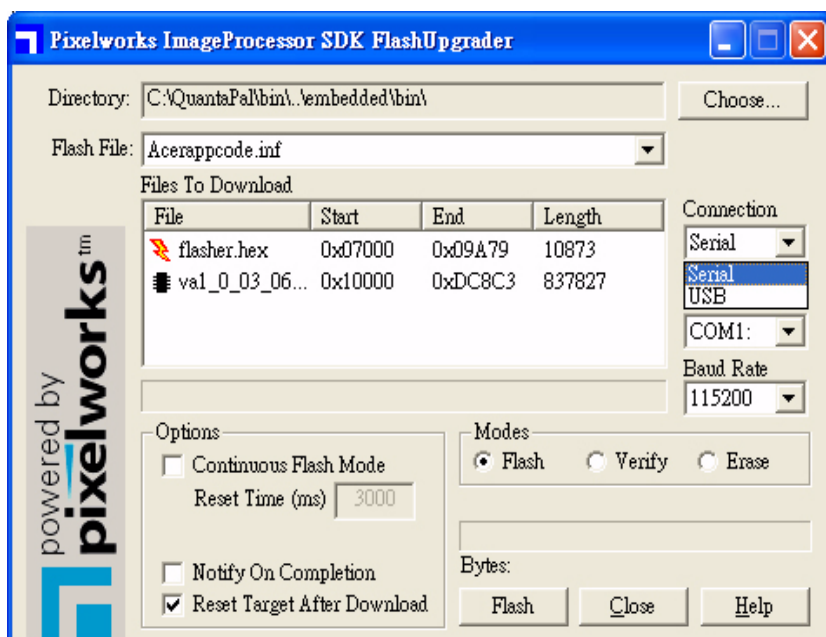
---

### ***Firmware Upgrade Utility***

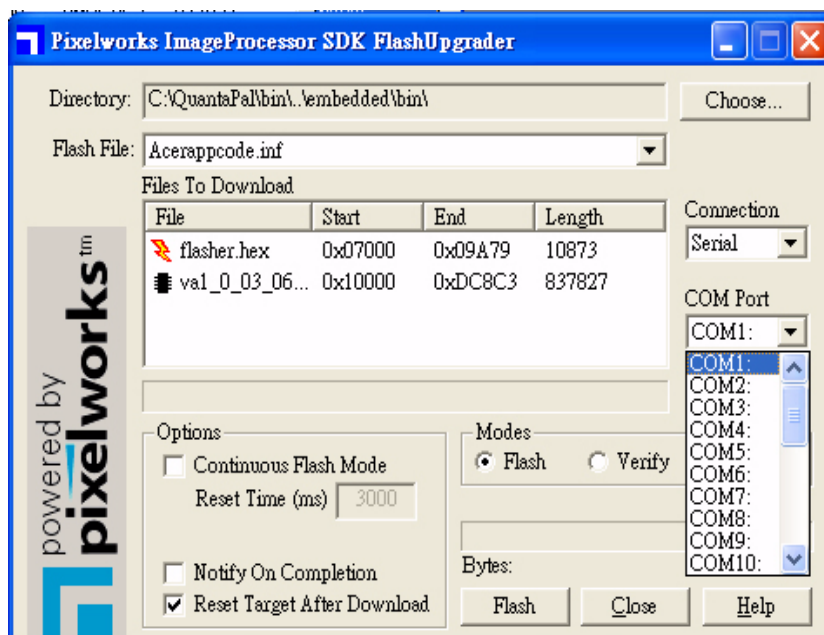
This section introduces how to use “FlashUpgrader” tool to upgrade TV embedded software.

## Firmware Upgrade Procedure

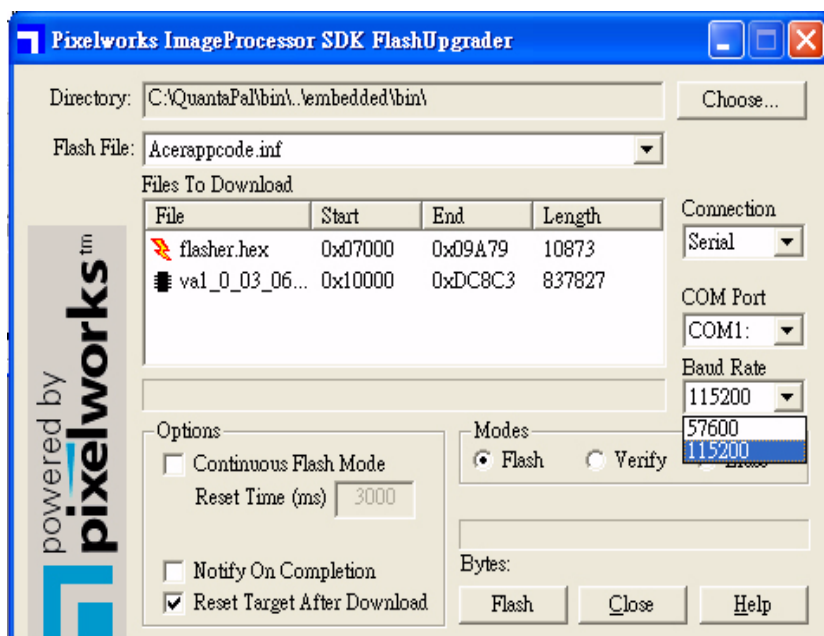
1. Connect adapter tool to TV set and PC.
  - ☐ Use RS-232 cable to connect adapter tool and PC.
  - ☐ Use VGA cable to connect adapter tool and TV set.
2. Run “FlashUpgrader” tool from PC.
  - ☐ Install “FlashUpgrader” tool into PC.
  - ☐ Run the “FlashUpgrader.EXE” execution file.
3. Select “Serial” for Connection type.



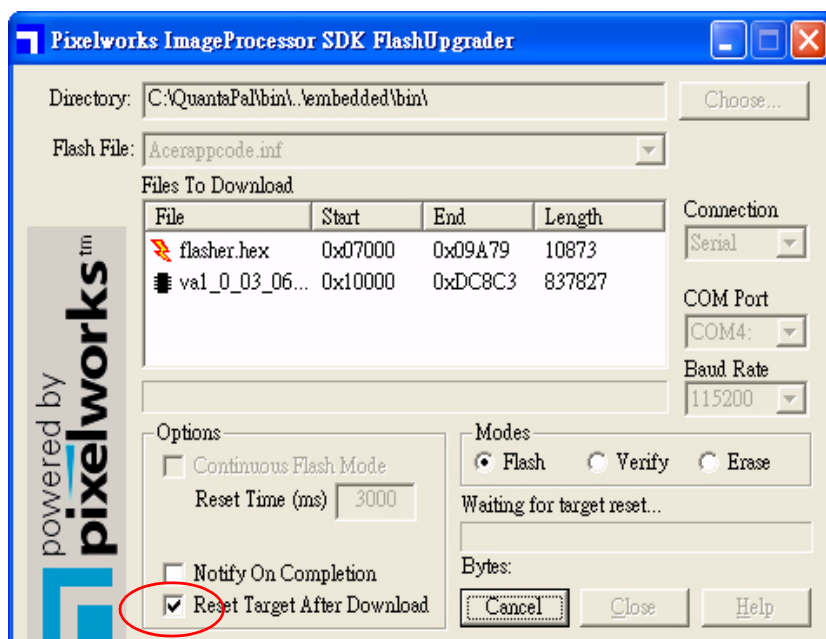
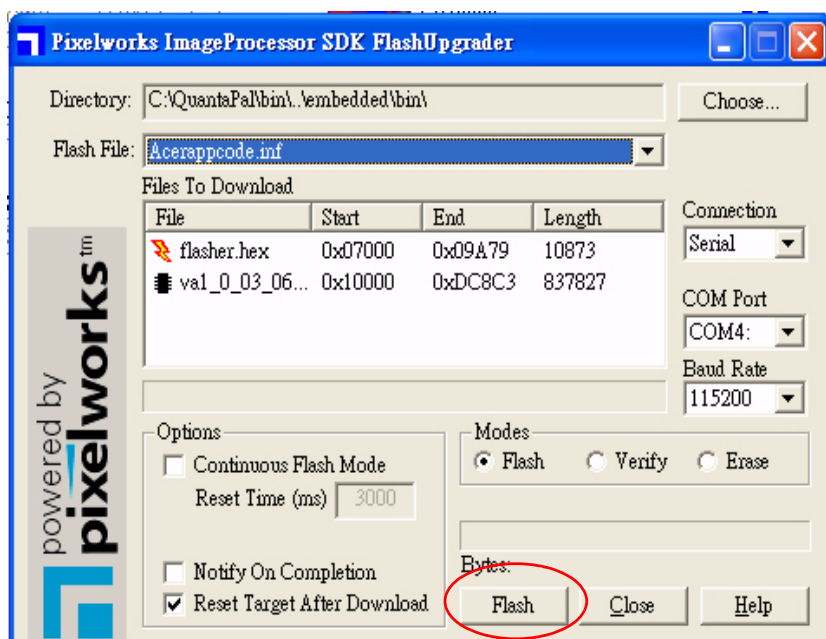
4. Select the COM port.



5. Select 115200 for Baud Rate.

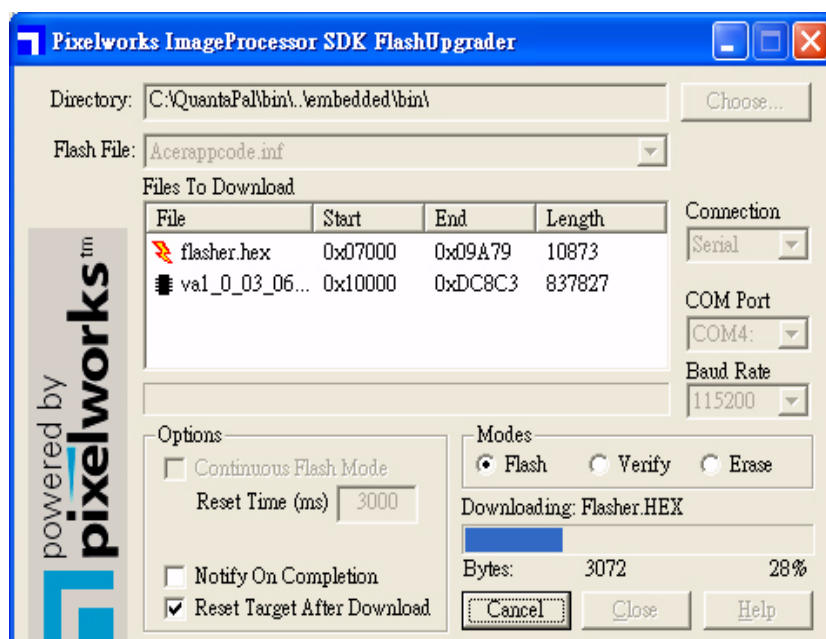


6. Select the INF flash file.
7. Check the "Reset Target After Download"
8. Press "Flash" button to execute the upgrade code.



9. Power on TV set by AC power

- ☐ After powering on the TV set, the downloading status will be display.



**NOTE:** On error, please re-set COM port and check the connection.



## ***Machine Disassembly and Replacement***

---

This chapter contains step-by-step procedures on how to disassemble the LCD TV for maintenance and troubleshooting.

To disassemble the TV, you need the following tools:

- ☐ Wrist grounding strap and conductive mat for preventing electrostatic discharge
- ☐ Small Philips screw driver
- ☐ Philips screwdriver
- ☐ Plastic flat head screw driver
- ☐ Tweezers

**NOTE:** The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components. When you remove the stripe cover, please be careful not to scrape the cover.

---

## ***General Information***

### ***Before You Begin***

Before proceeding with the disassembly procedure, make sure that you do the following:

1. Turn off the power to the system and all peripherals.
2. Unplug the AC adapter and all power and signal cables from the system.
3. Remove the battery pack.

**NOTE:** There are several types of screws used to secure the product. The screws vary in length. Please refer the picture below, group the same type of screws together during service disassembling. Please also remember the screw location for each screw type. If you fasten the screw to the wrong location, the screw may be too long to damage the main board.

---

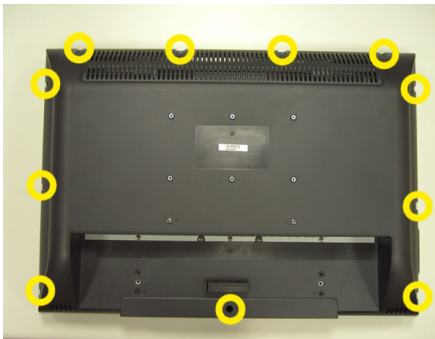
## ***Disassembly Procedure***

### ***Removing the Stand and the Back Cover***

1. Remove the six screws(M4\*8) securing the TV stand.

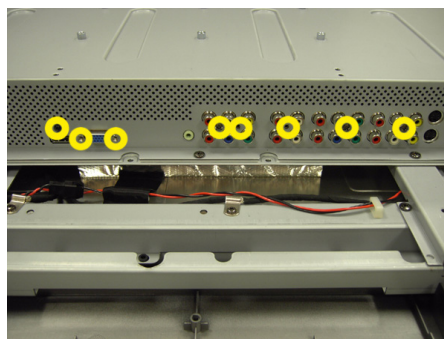


2. Remove the eleven screws(T4\*10) securing the back cover.
3. Remove the four screws(M4\*8) securing the back cover.
4. Remove the back cover.

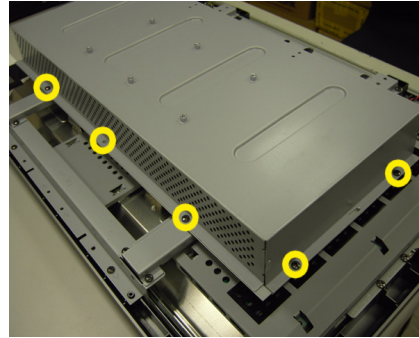
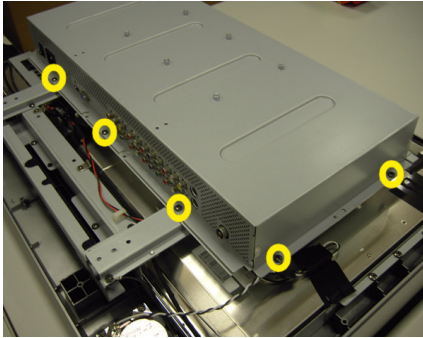


### ***Removing the PCB Holder***

1. Remove the screw(M3\*6) securing the HDMI interface.
2. Remove the two nut securing the VGA interface.
3. Remove the five screws(T3\*8) securing the AV1,2,3 and component 1,2 interface.

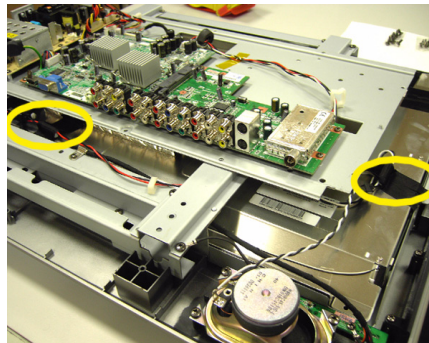


4. Remove the ten screws(M4\*8) securing the PCB tray.
5. Remove the PCB holder.

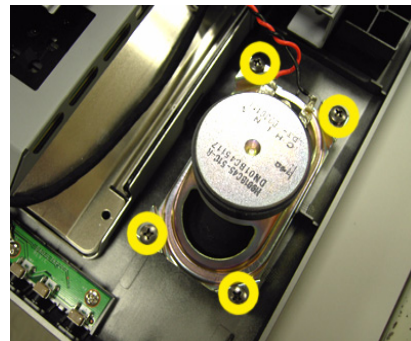
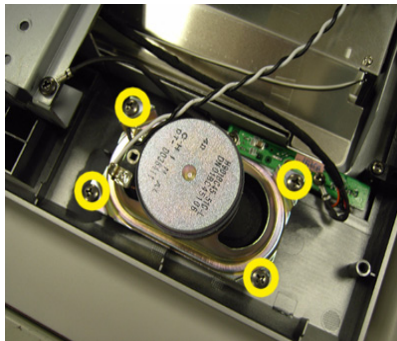


## ***Remving the Speaker***

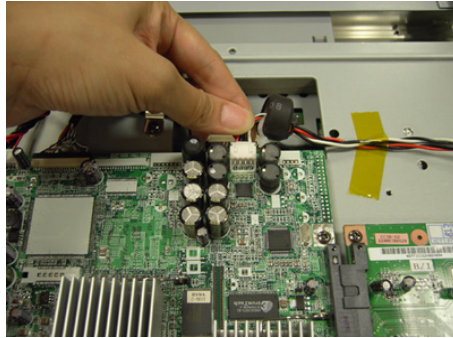
1. Remove the tape on speaker cable.



2. Remove the four screws(T4\*10) securing the right speaker.
3. Remove the four screws(T4\*10) securing the left speaker.

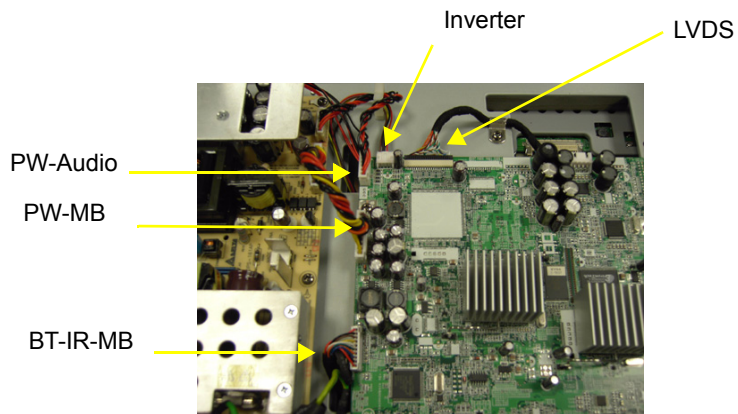


4. Disconnect the speaker connector from the mainboard(con13).

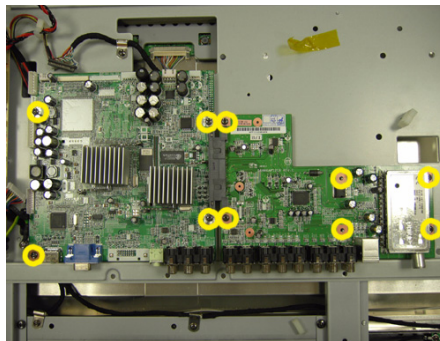


## ***Removing the Mainboard & I/O board***

1. Disconnect following connectors.

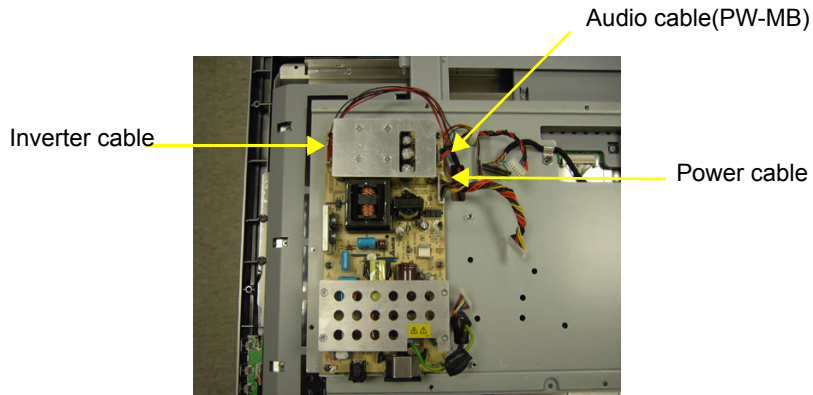


2. Remove the 10 screws(M3\*6) securing the mainboard and I/O board.
3. Remove the Mainboard and I/O board.

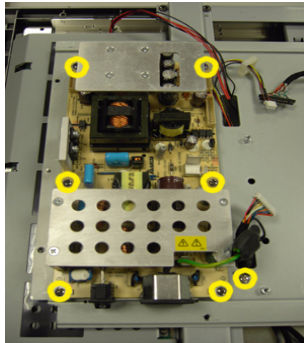


## ***Removing the Power Board***

1. Disconnect following connectors on power board.

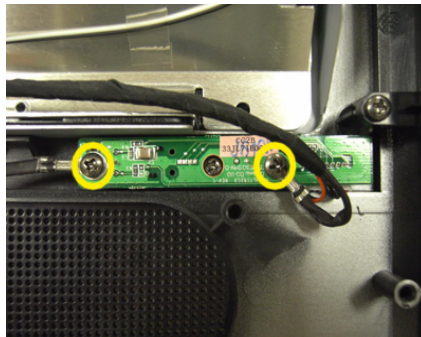


2. Remove the 7 screws securing the power board.
3. Remove the power board.

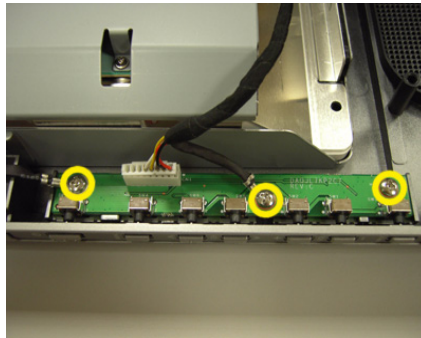


### ***Removing the IR Board and Button Board***

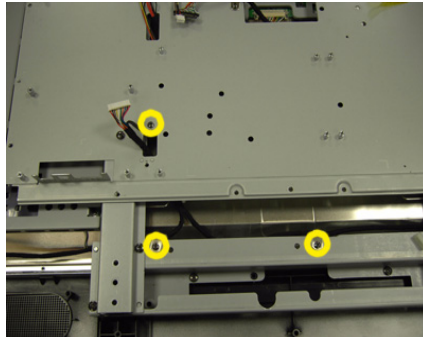
1. Remove the two screws(T3\*8) securing the IR board.
2. Remove the IR board.



3. Remove the three screws(T3\*6) securing the button board.
4. Remove the button board.

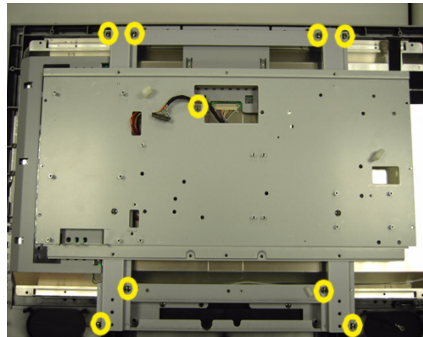


5. Remove the three screws securing IR-Button cable.
6. Remove the IR-Button cable.



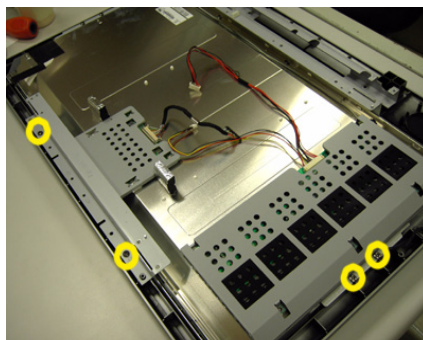
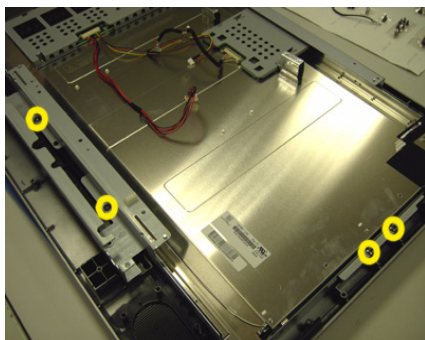
### ***Removing the Support Bracket and PCB Tray***

1. Remove the 9 screws(M4\*8) securing the support bracket and PCB tray.
2. Remove the support bracket and PCB tray.

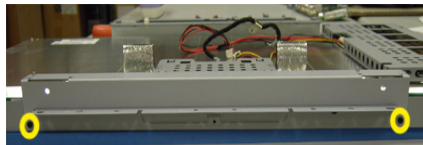
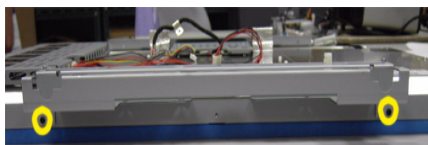


### ***Removing the LCD Panel***

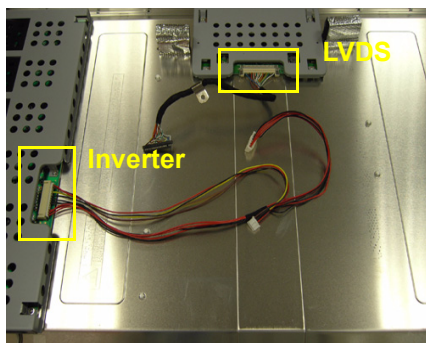
1. Remove the four screws(M4\*8) securing the LCD panel on the left and right sides.
2. Remove the four screws(T4\*10) securing the LCD panel on the top and bottom sides.
3. Remove the LCD panel.



4. Remove the two screws securing the bottom LCD bracket.
5. Remove the two screws securing the top LCD bracket.



6. Disconnect the LVDS connector and the inverter connector.



## *Troubleshooting*

---

Use the following procedure as a guide for Acer LCD TV AT2720B problems.

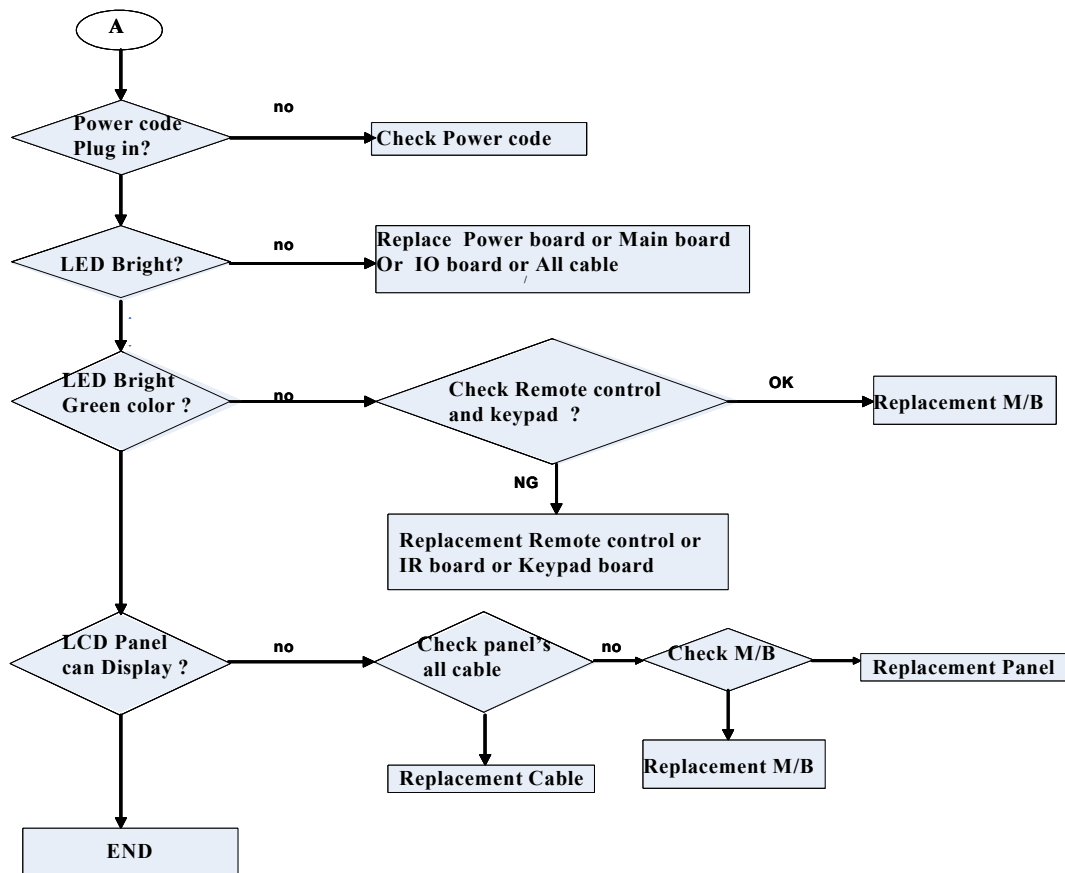
**NOTE:** The diagnostic tests are intended to test this model. Non-Acer products, prototype cards, or modified options can give false errors and invalid system responses.

1. Duplicate symptom and obtain the failing symptoms in as much detail as possible.
2. Distinguish symptom. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
3. Disassemble and assemble the unit without any power sources.
4. If any problem occurs, you can perform visual inspection before you follow this chapter's instructions. You can check the following:
  - power cords are properly connected and secured;
  - there are no obvious shorts or opens;
  - there are no obviously burned or heated components;
  - all components appear normal.
5. Use the following flow chart determine which part to be replaced.

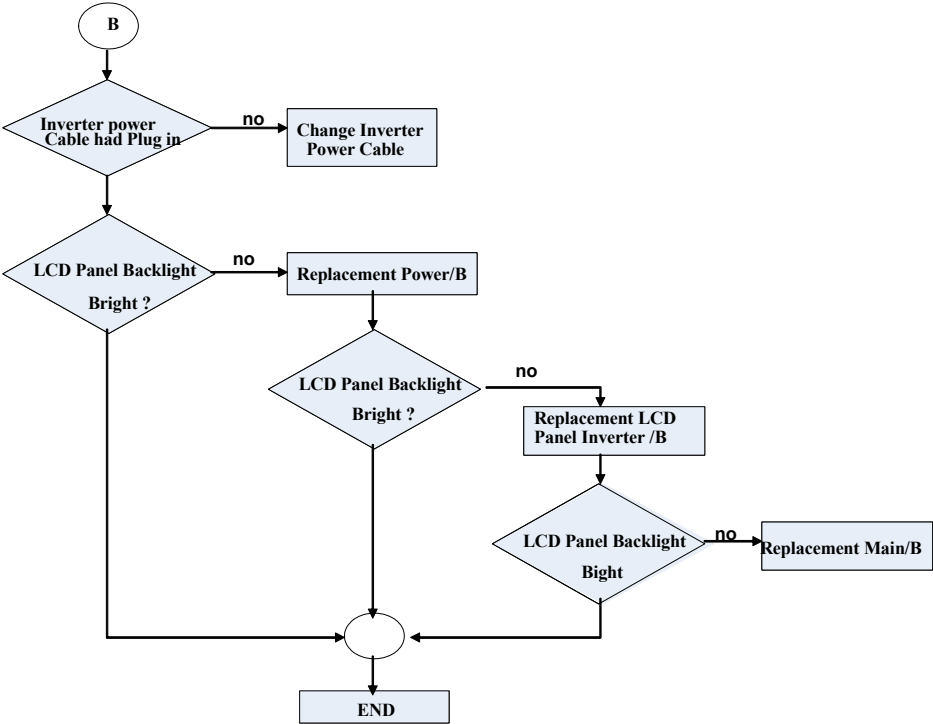
**NOTE:** N.G. in the below figures means "No Good".

# AT2720B/2720 Troubleshooting Guideline

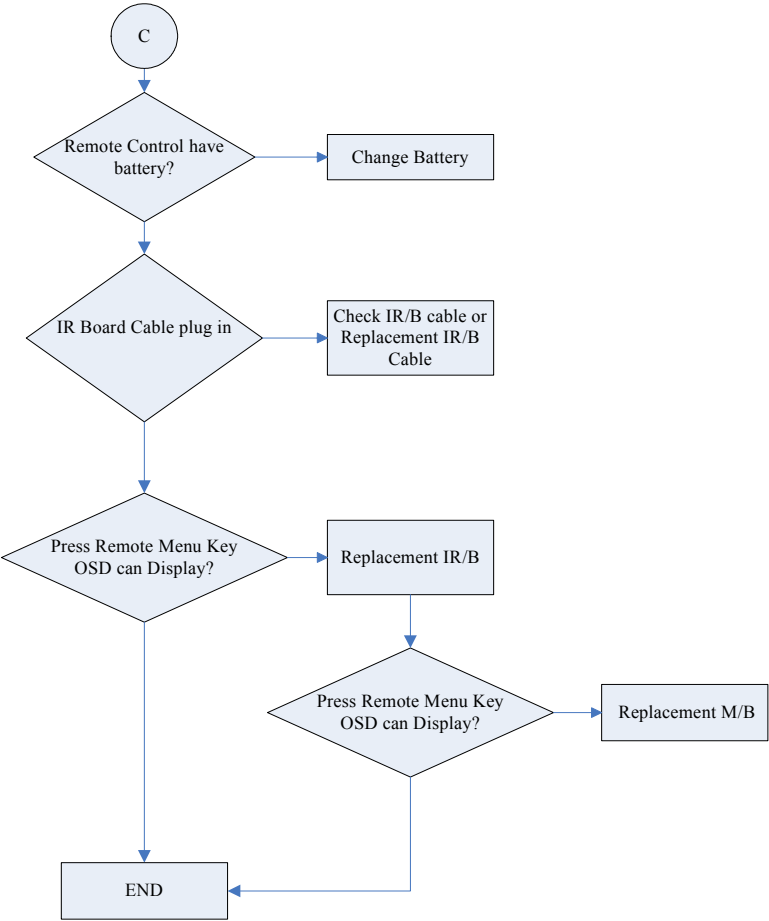
## 1. Can not power on



2. LCD no backligh

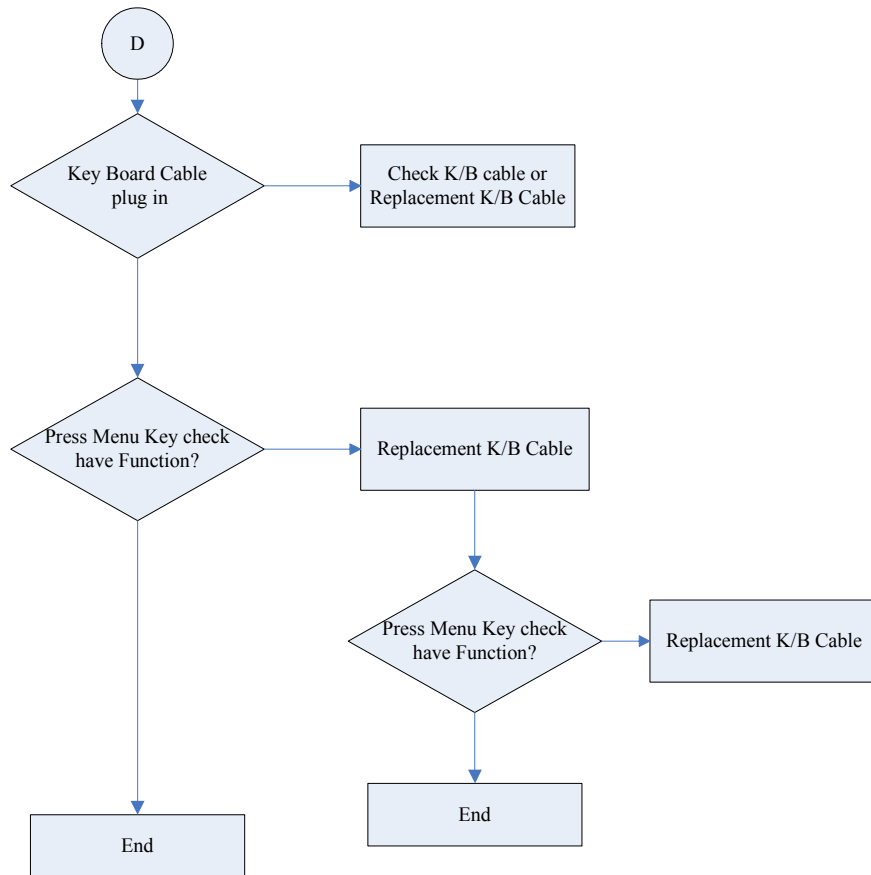


3. Remote controller does not have function

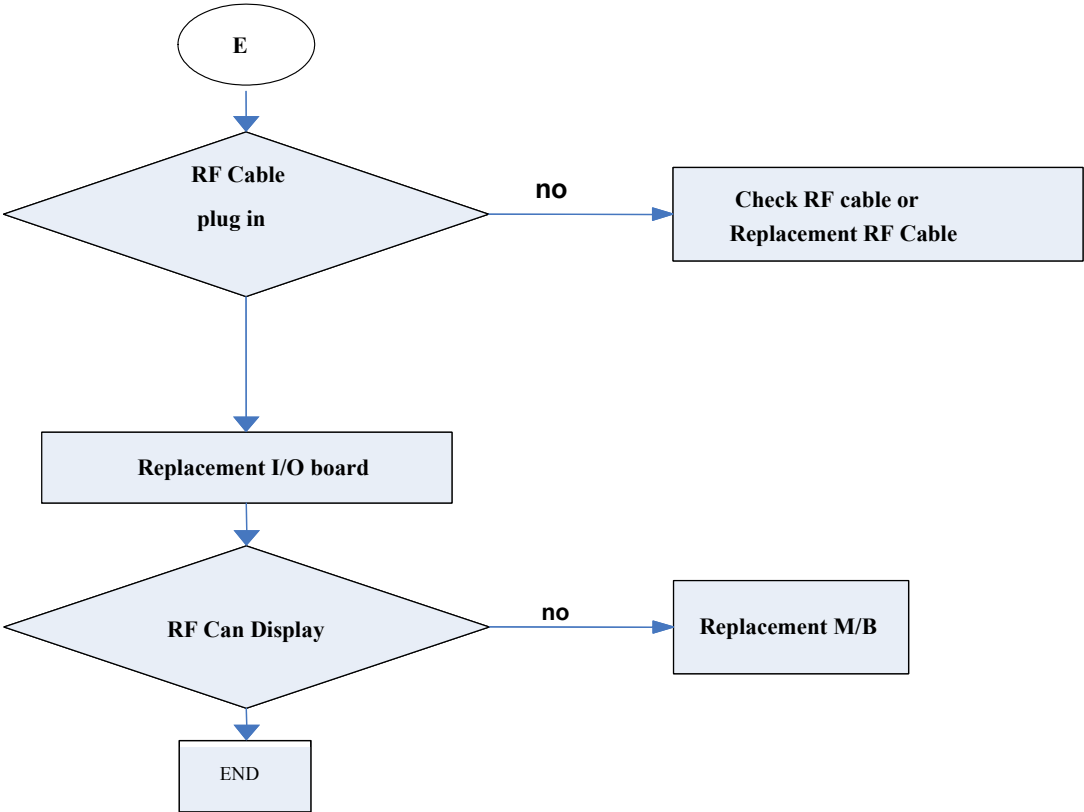


---

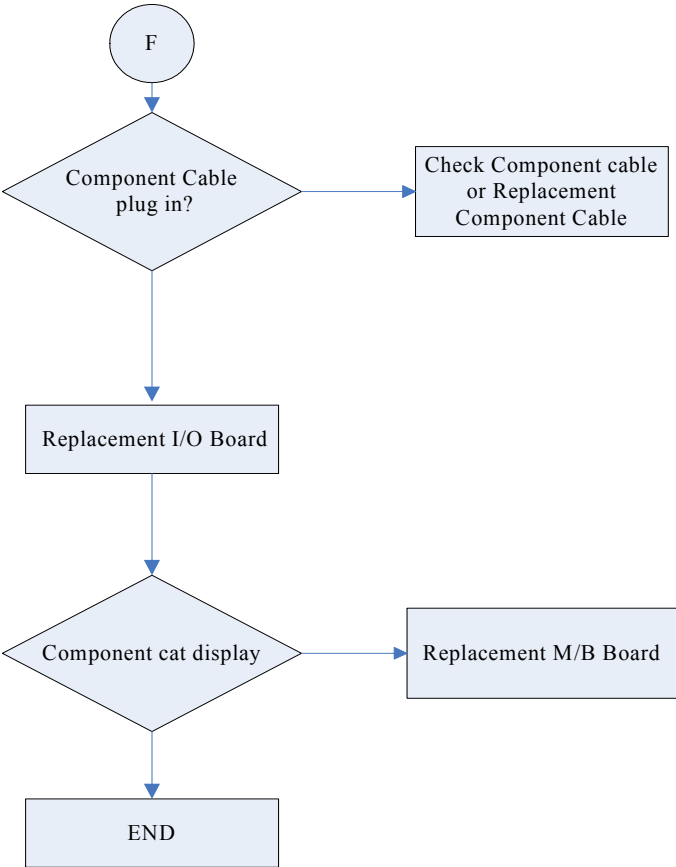
#### 4. Button key does not have function



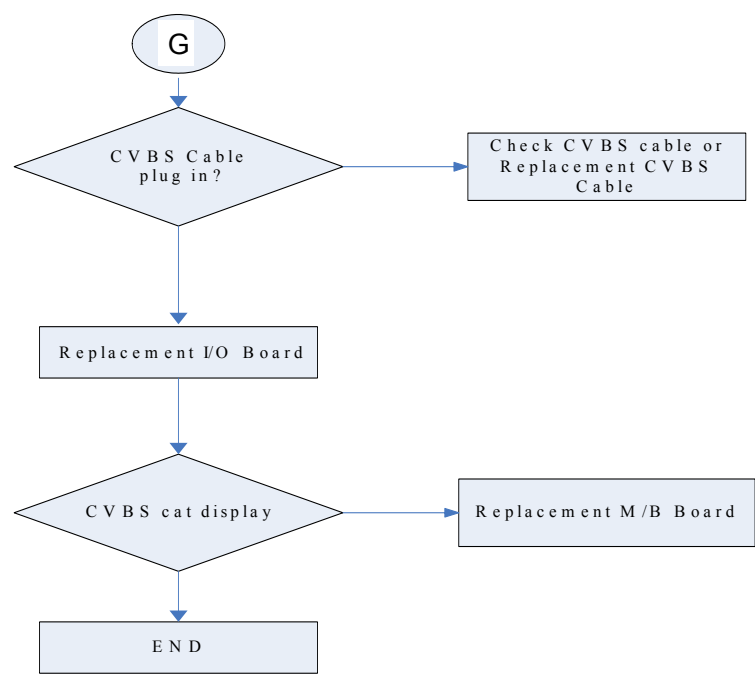
5. RF no display



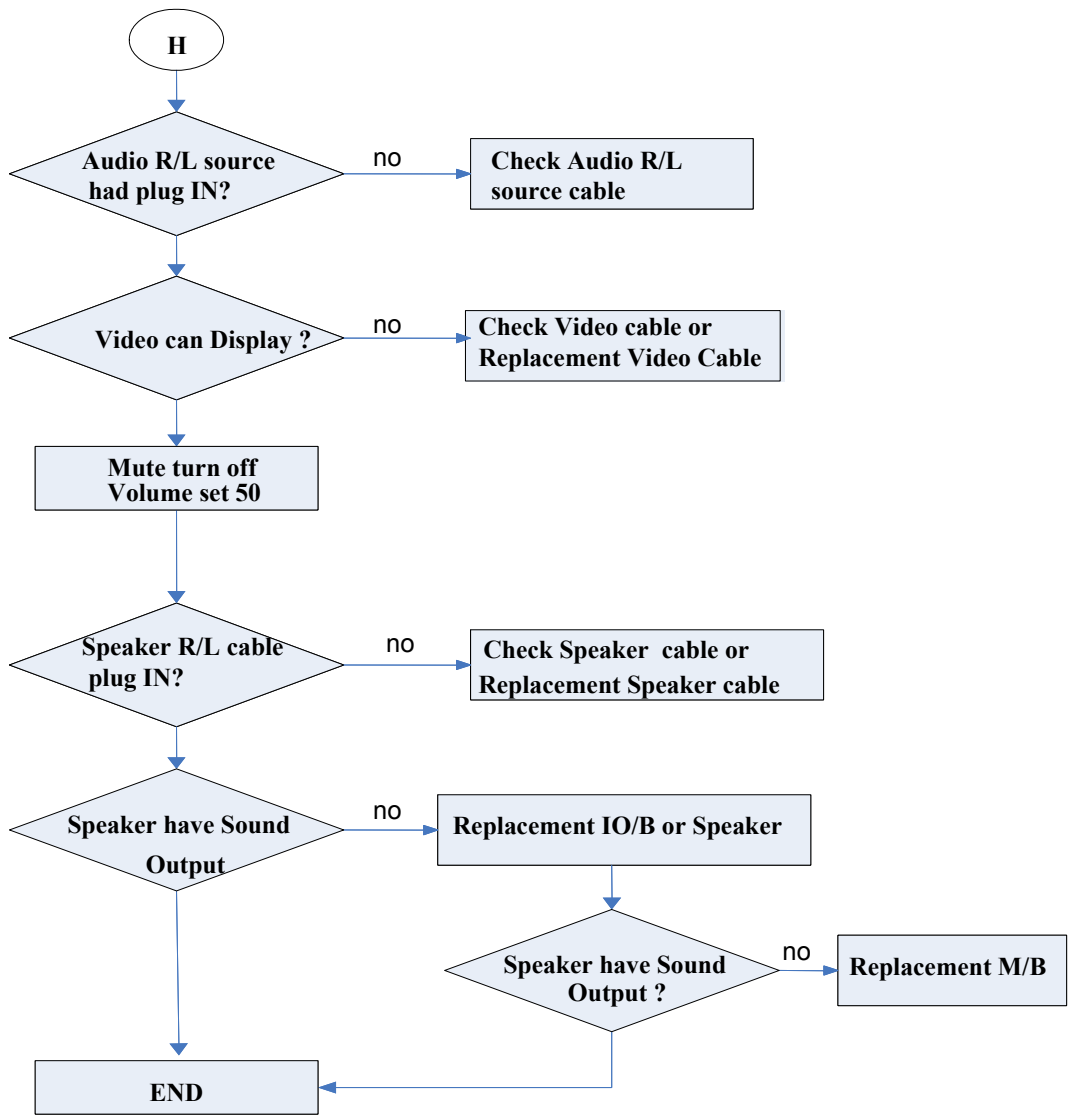
6. Component 1, 2 no display



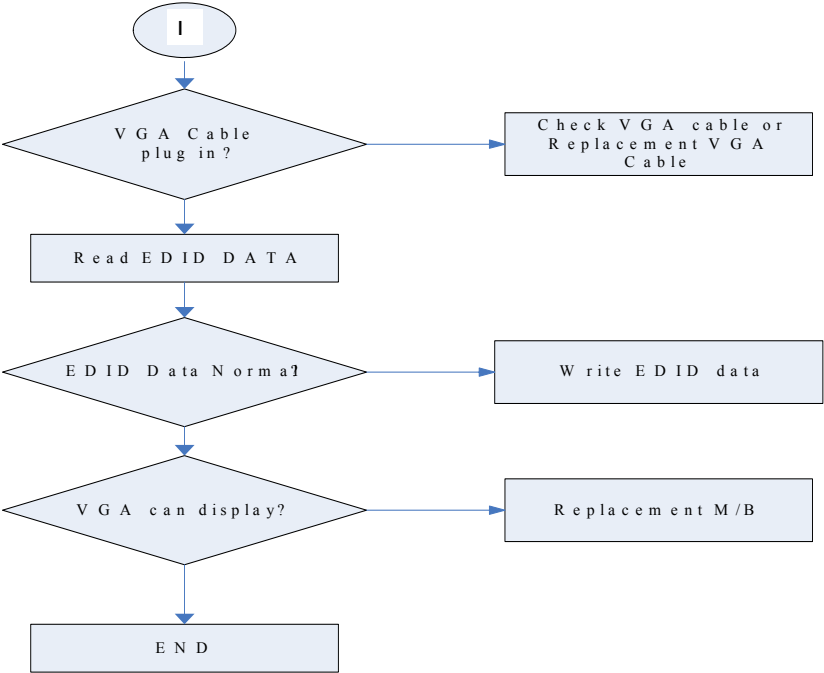
7. AV1, AV2 no display



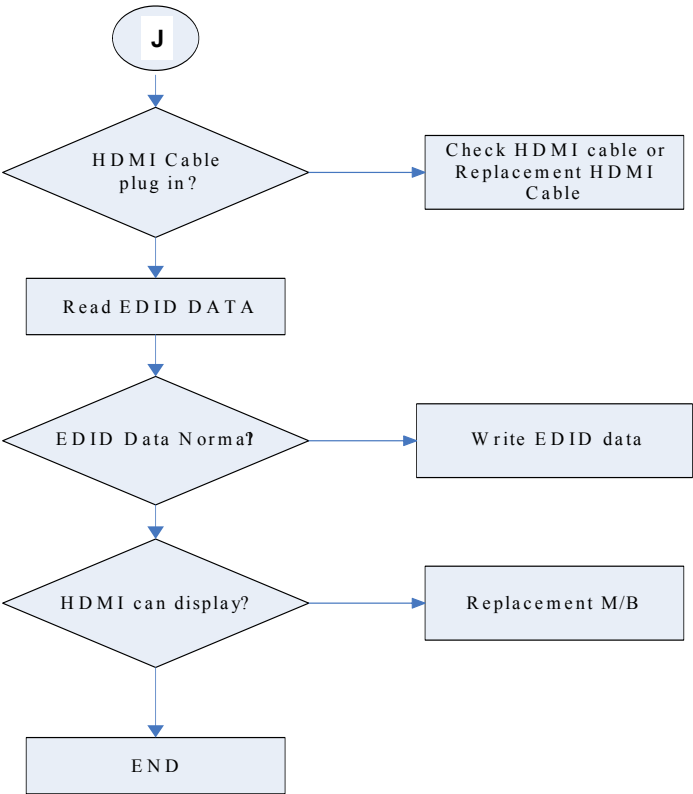
8. Speaker does not have sound



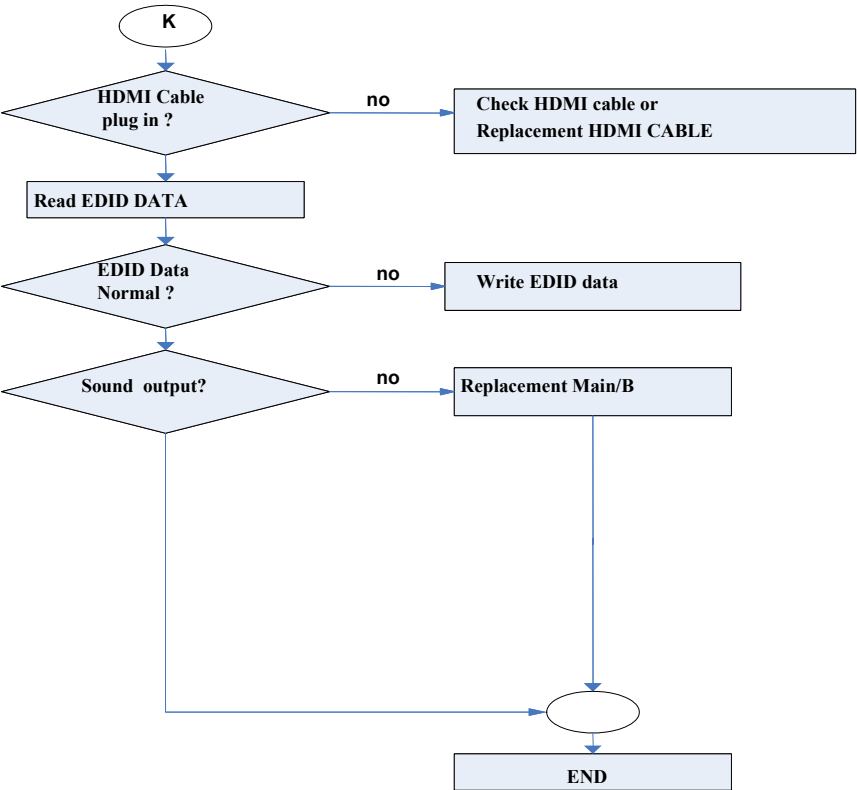
9. VGA no display



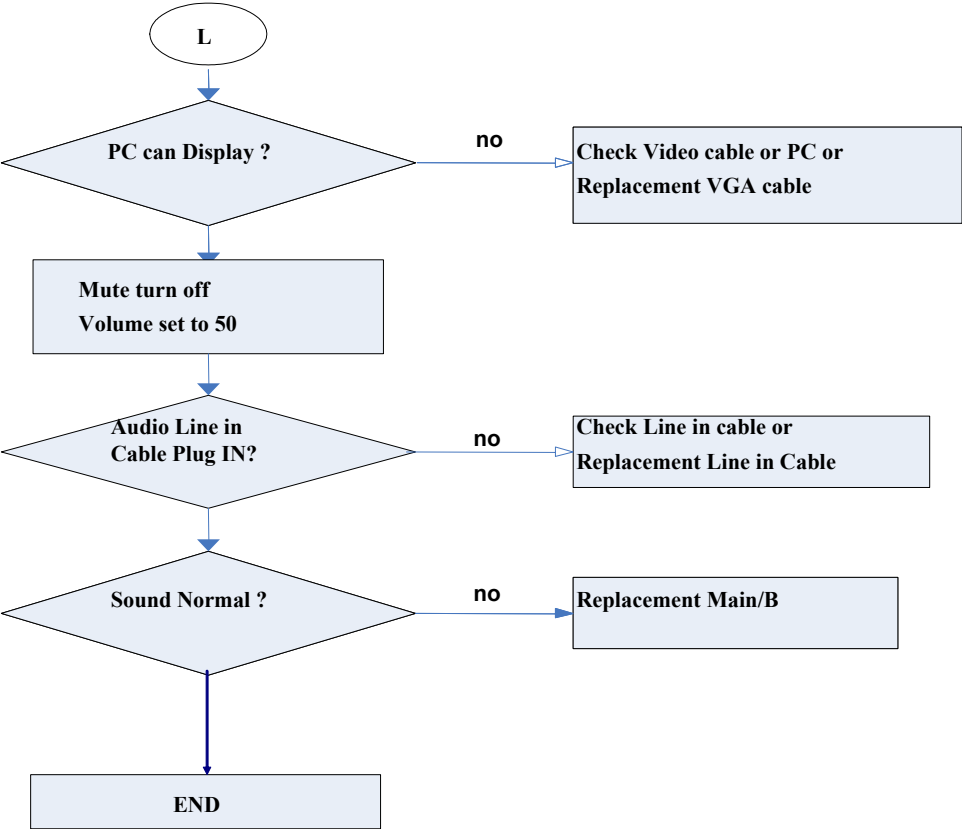
10. HDMI no display



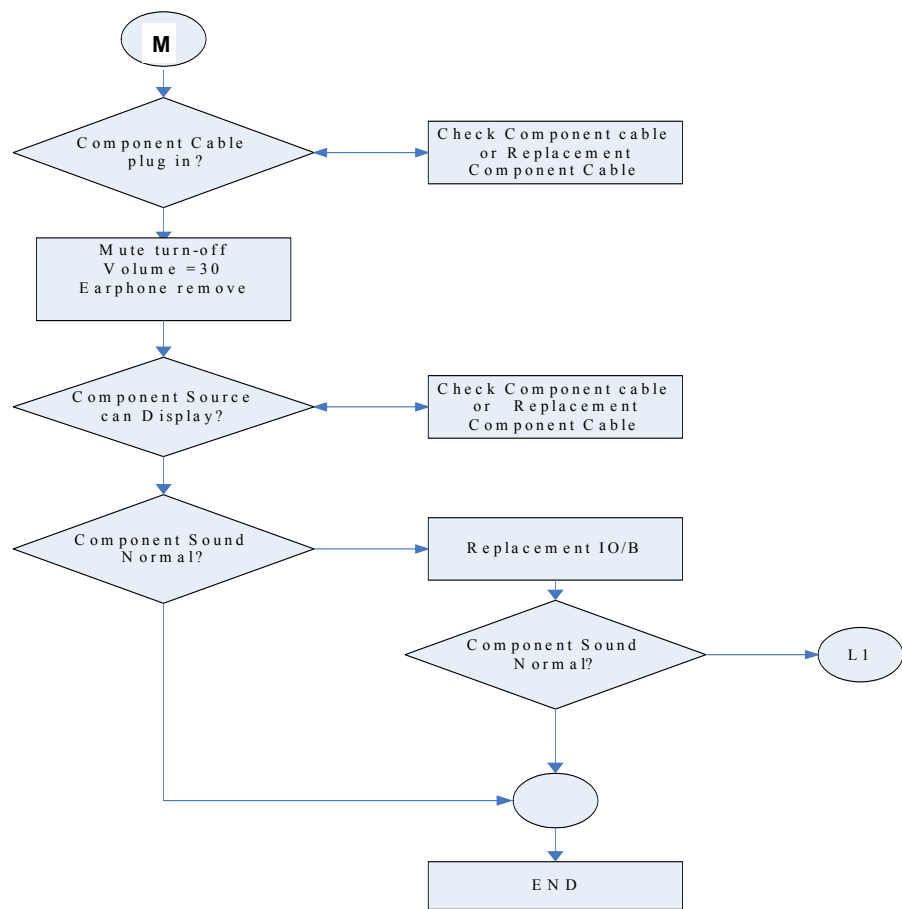
11. HDMI no sound



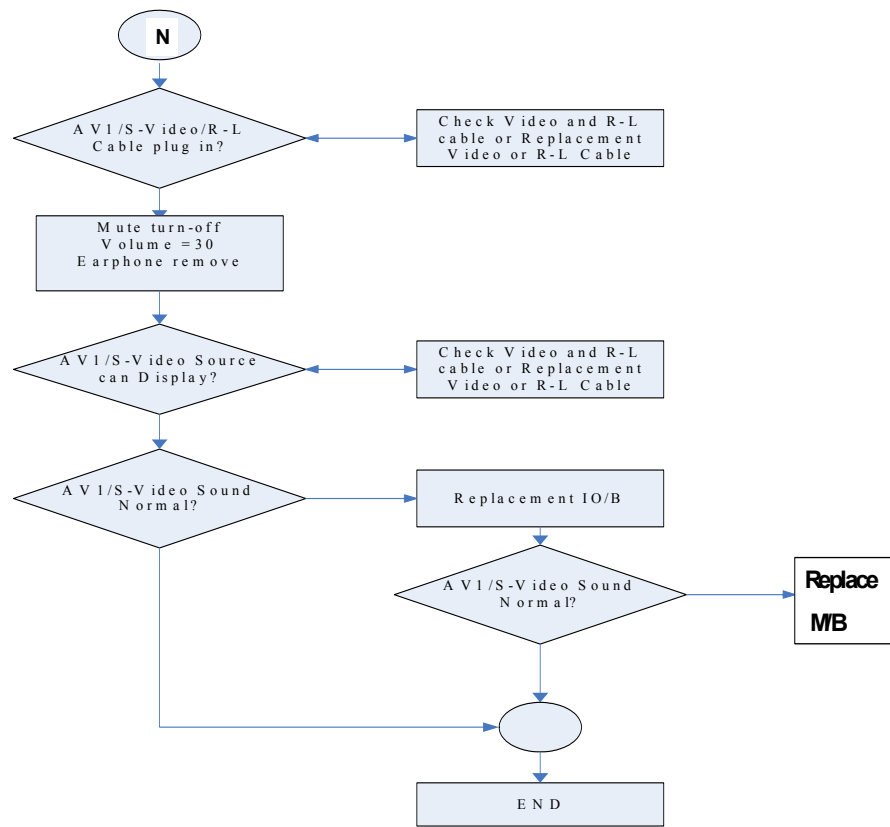
12. VGA no sound



13. Component no sound



14. AV1/S-video no sound





## ***FRU (Field Replaceable Unit) List***

---

This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of LCD TV AT2720B/2720. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

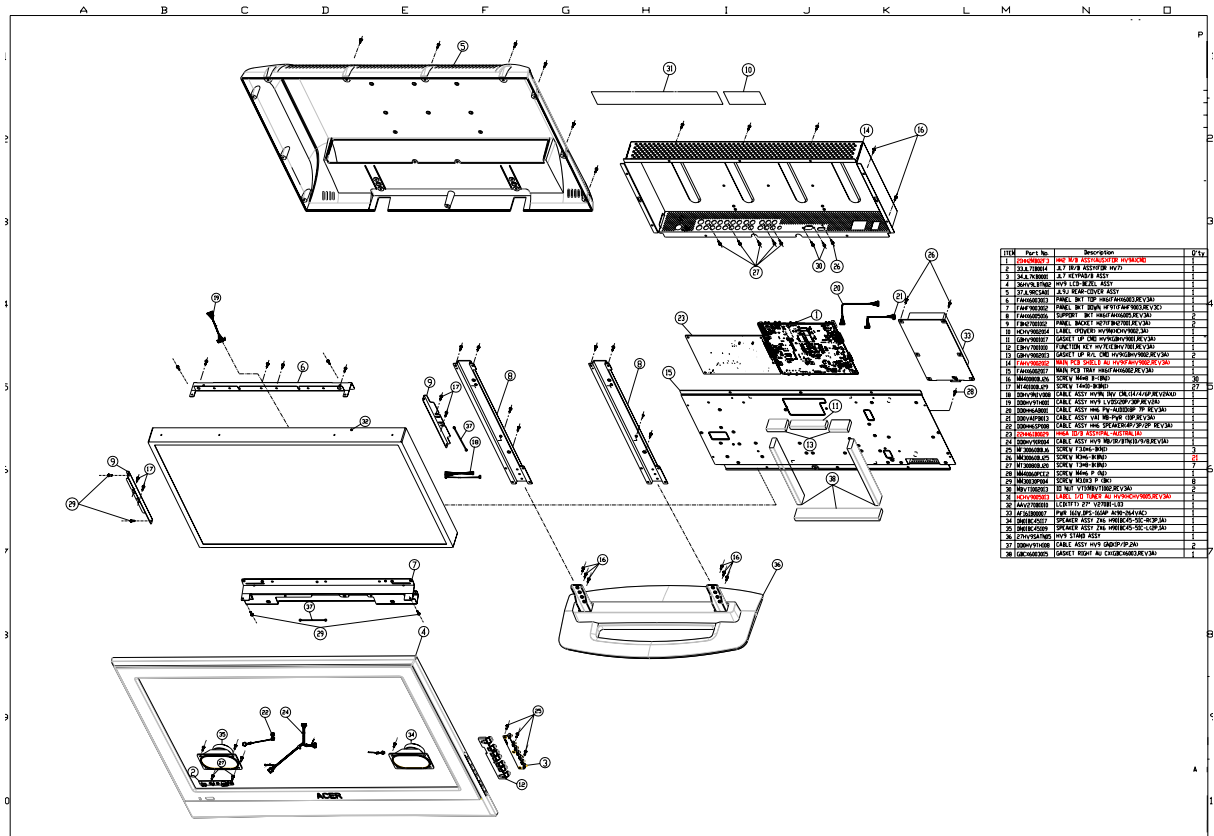
Please note that WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For ACER AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

**NOTE:** To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.

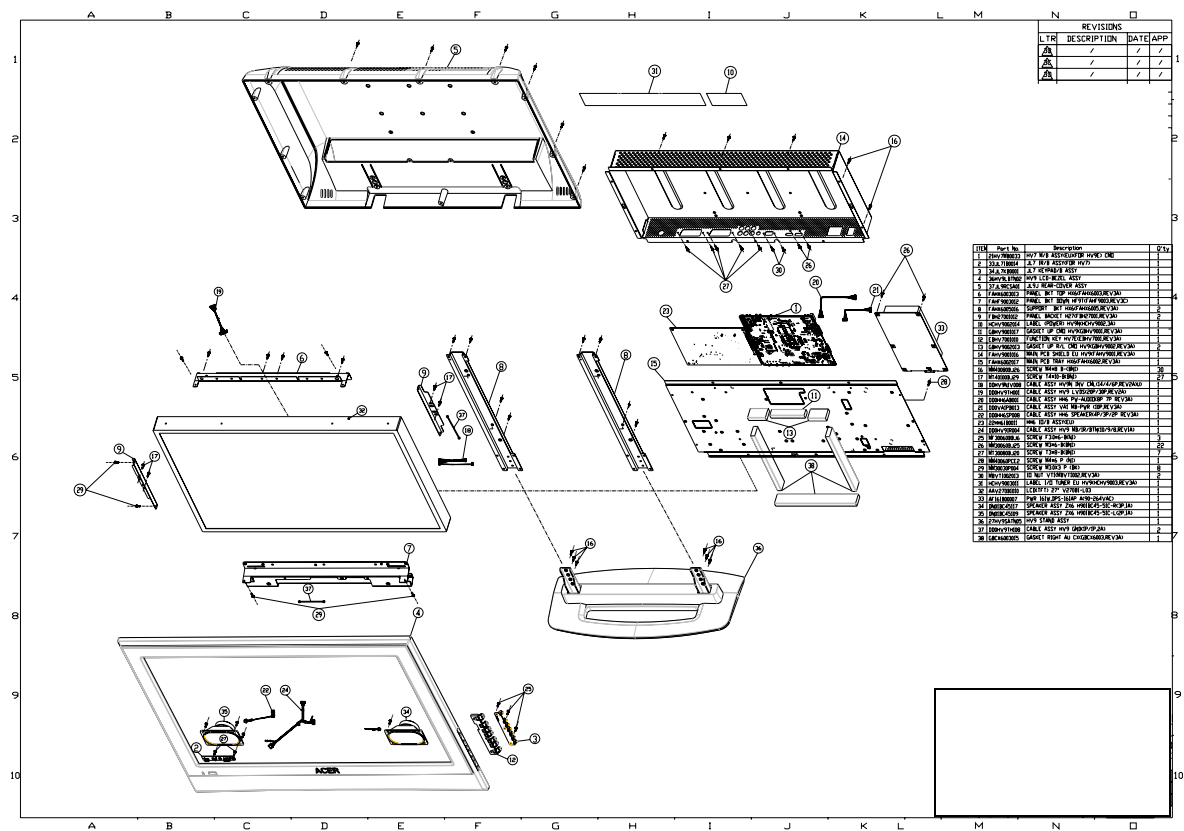


# Exploded Diagram

AT2720B



AT2720



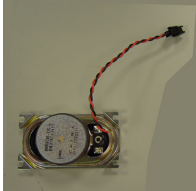
## FRU List

| CATEGORY                                                                            | PARTNAME                        | DESCRIPTION                          | ACER PART NO. |
|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------------|---------------|
| <b>ACCESSORY</b>                                                                    |                                 |                                      |               |
| ACCESSORY                                                                           | REMOTE CONTROLLER - EU          | REMOTE CONTROL<br>EURT54BEACQT1      | 25.M25V7.001  |
| ACCESSORY                                                                           | REMOTE CONTROLLER - AUS         | REMOTE CONTROLLER<br>(EURT54BAACQT1) | 25.M38V7.001  |
| <b>BOARD</b>                                                                        |                                 |                                      |               |
|    | POWER BOARD                     | "PWR 161W,DPS-161AP<br>A(90~264VAC)" | 55.M26V7.001  |
|    | IR BOARD                        | JL7 IR/B ASSY(FOR HV7)               | 55.M25V7.003  |
|  | FUNCTION BOARD                  | JL7 KEYPAD/B ASSY                    | 55.M25V7.002  |
| BOARD                                                                               | IO/TURNER BOARD - PAL EU        | HH6IO/BASSY(EU)                      | 55.M12V7.004  |
|  | IO/TURNER BOARD - PAL AU        | HH6A IO/B ASSY(PAL-<br>AUSTRALIA)    | 55.M12V7.005  |
| BOARD                                                                               | MAIN BOARD - PAL EU FOR CMO     | HV7 M/B ASSY(EU)(FOR<br>HV9E) CMO    | 55.M26V7.002  |
|  | MAIN BOARD - PAL AUS FOR<br>CMO | HH2 M/B ASSY(AUS)(FOR<br>HV9A)CMO    | 55.M37V7.001  |

| CATEGORY                                                                            | PARTNAME                                 | DESCRIPTION                               | ACER PART NO. |
|-------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------|---------------|
| <b>CABLE</b>                                                                        |                                          |                                           |               |
|    | LVDS CABLE - PANEL TO MB FOR CMO         | "CABLE ASSY HV9 LVDS(20P/30P,REV2A)"      | 50.M26V7.001  |
|    | INVERTER CABLE 3 CON (14P/4P/6P) FOR CMO | "CABLE ASSY HV9N INV CML(14/4/6P,REV2A)"  | 50.M26V7.002  |
|    | CABLE - MB TO KEY TO IR                  | "CABLE ASSY HV9 MB/IR/ BTN(10/9/8,REV1A)" | 50.M26V7.003  |
|  | CABLE - MB TO POWER BOARD 10P            | "CABLE ASSY VA1 MB-PWR (10P,REV3A)"       | 50.M01V7.004  |
|  | CABLE - POWER TO AUDIO                   | CABLE ASSY HH6 PW-AUDIO(8P 7P REV3A)      | 50.M11V7.005  |
|  | SPEAKER CABLE                            | CABLE ASSY HH6 SPEAKER(4P/3P/2P REV3A)    | 50.M11V7.006  |

| CATEGORY                                                                            | PARTNAME               | DESCRIPTION                              | ACER PART NO. |
|-------------------------------------------------------------------------------------|------------------------|------------------------------------------|---------------|
|    | GROUND CABLE           | "CABLE ASSY HV9 GND(1P/1P,2A)"           | 50.M26V7.004  |
| CABEL                                                                               | POWER CODD - AUSTRALIA | POWCORD(AUST)3P V54AB300012180Q1 1.8M    | 27.M12V7.001  |
| CABEL                                                                               | POWER CORD EU 3 PIN    | POWER CORD SP-023+IS-14H05VV-F3P 1.8M EU | 27.M03V7.002  |
| CABEL                                                                               | POWER CORD UK 3 PIN    | POWER CORD SP-60+IS-14H05VV 3P 1.8M UKLF | 27.M03V7.003  |
| CABEL                                                                               | POWER CORD SWISS 3 PIN | POWER CORD(SWISS) 3P 1.8M(BLACK)         | 27.M11V7.001  |
| CABEL                                                                               | POWER CORD ITALY 3 PIN | POWER CORD SP-028+IS-14H05VV 3P1.8M ITLF | 27.M03V7.001  |
| <b>CASE/COVER/BRACKET ASSEMBLY</b>                                                  |                        |                                          |               |
|   | FRONT BEZEL ASSY       | HV9 LCD-BEZEL ASSY                       | 60.M26V7.001  |
|  | BACK COVER ASSY        | JL9J REAR-COVER ASSY                     | 60.M26V7.002  |
|  | STAND ASSY             | HV9 STAND ASSY                           | 60.M26V7.003  |
|  | FUNCTION KEY           | "FUNCTION KEY HV7E(EBHV7001,REV3A)"      | 42.M25V7.001  |

| CATEGORY                                                                            | PARTNAME                        | DESCRIPTION                                 | ACER PART NO. |
|-------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------|---------------|
|                                                                                     | LCD BRACKET R = L               | "PANEL BACKET<br>H27(FBH27001,REV3A)"       | 33.M11V7.103  |
|    | LCD BRACKET - TOP               | "PANEL BKT TOP<br>HX6(FAHX6003,REV3B)"      | 33.M26V7.001  |
|    | LCD BRACKET - DOWN              | "PANEL BKT DOWN<br>HF9T(FAHF9003,REV3C)"    | 33.M26V7.002  |
|   | SUPPORT BRACKET                 | "SUPPORT BKT<br>HX6(FAHX6005,REV3A)"        | 33.M26V7.003  |
|  | MAIN PCB TRAY                   | "MAIN PCB TRAY<br>HX6(FAHX6002,REV3B)"      | 33.M26V7.004  |
|  | MAIN PCB SHIELD                 | "MAIN PCB SHIELD AU<br>HV9(FAHV9002,REV3A)" | 33.M26V7.005  |
|                                                                                     |                                 |                                             |               |
|  | LCD TFT 27.0 IN. CMO V270B1-L03 | "LCD(TFT) 27"" V270B1-L03"                  | 56.M26V7.001  |

| CATEGORY                                                                          | PARTNAME                                        | DESCRIPTION                                     | ACER PART NO.                |
|-----------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------|
|  | SPEAKER ASSY - L                                | "SPEAKER ASSY ZX6<br>H901BC45-51C-L(2P,1A)"     | 23.M26V7.001                 |
|  | SPEAKER ASSY - R                                | "SPEAKER ASSY ZX6<br>H901BC45-51C-R(3P,1A)"     | 23.M26V7.002                 |
|                                                                                   |                                                 |                                                 |                              |
| LABEL                                                                             | POWER LABEL                                     | "LABEL (POWER)<br>HV9N(HCHV9002,3A)"            | 40.M26V7.001                 |
| LABEL                                                                             | I/O TURNER LABEL - PAL AUS                      | "LABEL I/O TUNER AU<br>HV9(HCHV9005,REV3A)"     | 40.M38V7.001                 |
| LABEL                                                                             | I/O TURNER LABEL -PAL EU                        | "LABEL I/O TUNER EU<br>HV9(HCHV9003,REV3A)"     | 40.M25V7.002                 |
|                                                                                   |                                                 |                                                 |                              |
| MISCELLANEOUS                                                                     | "GASKET UP CMO<br>HV9(GBHV9001,REV2A)"          | "GASKET UP CMO<br>HV9(GBHV9001,REV3A)"          | 47.M26V7.001                 |
| MISCELLANEOUS                                                                     | "GASKET RIGHT AU<br>CX(GBCX6003,REV2A)"         | "GASKET RIGHT AU<br>CX(GBCX6003,REV3A)"         | 47.M26V7.002                 |
| MISCELLANEOUS                                                                     | "GASKET UP R/L CMO<br>HV9(GBHV9002,REV2A)"      | "GASKET UP R/L CMO<br>HV9(GBHV9002,REV3A)"      | 47.M26V7.003                 |
|                                                                                   |                                                 |                                                 |                              |
| SCREW                                                                             | IO NUT                                          | "IO NUT<br>VT1(MBVT1002,REV3A)"                 | 86.M01V7.010                 |
| SCREW                                                                             | SCREW M3.0X3 P (BK)                             | SCREW M3.0X3 P (BK)                             | 86.M11V7.004                 |
| SCREW                                                                             | SCREW T3*8-B(BNI)                               | SCREW T3*8-B(BNI)                               | 86.M08V7.007                 |
| SCREW                                                                             | SCREW M3*6-B(BNI)                               | SCREW M3*6-B(BNI)                               | 86.M08V7.003                 |
| SCREW                                                                             | SCREW M4*6 P (NI)                               | SCREW M4*6 P (NI)                               | 86.M01V7.002                 |
| SCREW                                                                             | SCREW T4*10-B(BNI)                              | SCREW T4*10-B(BNI)                              | 86.M26V7.001                 |
| SCREW                                                                             | SCREW M4*8 B-(BNI)                              | SCREW M4*8 B-(BNI)                              | 86.M26V7.002                 |
| SCREW                                                                             | SCREW F3.0*6-B(NI)                              | SCREW F3.0*6-B(NI)                              | 86.M25V7.002                 |
| SCREW                                                                             | SCREW M3*6-B(BNI)                               | SCREW M3*6-B(BNI)                               | 86.M08V7.003                 |
| SCREW                                                                             | SCREW T3*8-B(BNI)                               | SCREW T3*8-B(BNI)                               | 86.M08V7.007                 |
|                                                                                   |                                                 |                                                 |                              |
| PACKING                                                                           | "MO CARTON FOR ACER<br>HV9(HFHV9003,R2A)"       | "MO CARTON FOR ACER<br>HV9(HFHV9003,R3A)"       | 47.M26V7.004                 |
| PACKING                                                                           | "PE BAG FOR<br>ACC.,QN4C(HAQN4004,REV3A)LF<br>" | "PE BAG FOR<br>ACC.,QN4C(HAQN4004,REV3<br>A)LF" | 47.M24V7.004<br>47.M24V7.006 |

| CATEGORY | PARTNAME                               | DESCRIPTION                            | ACER PART NO. |
|----------|----------------------------------------|----------------------------------------|---------------|
| PACKING  | "PE BAG<br>CX6(HACX6001,3A)800*599"    | "PE BAG<br>CX6(HACX6001,3A)800*600"    | 47.M26V7.005  |
| PACKING  | "EPE SHEET<br>CX6(HACX6002,3A)350*549" | "EPE SHEET<br>CX6(HACX6002,3A)350*550" | 47.M26V7.006  |
| PACKING  | "EPS FOAM(BASE-<br>R)CX6(HBCX6001,2A)" | "EPS FOAM(BASE-<br>R)CX6(HBCX6001,3A)" | 47.M26V7.007  |
| PACKING  | "EPS FOAM(TOP-<br>L)CX6(HBCX6002,2A)"  | "EPS FOAM(TOP-<br>L)CX6(HBCX6002,3A)"  | 47.M26V7.008  |
| PACKING  | "EPS FOAM(TOP-<br>R)CX6(HBCX6003,2A)"  | "EPS FOAM(TOP-<br>R)CX6(HBCX6003,3A)"  | 47.M26V7.009  |
| PACKING  | "EPS FOAM(BASE-<br>L)CX6(HBCX6004,2A)" | "EPS FOAM(BASE-<br>L)CX6(HBCX6004,3A)" | 47.M26V7.010  |
| PACKING  | "ID CARD-STN<br>ZG1S(HCZG1036,REV3A)"  | "ID CARD-STN<br>ZG1S(HCZG1036,REV3A)"  | 47.M25V7.006  |