

Acer AT3235B LCD TV

Service Guide

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

Revision History

Please refer to the table below for the updates of LCD TV AT3235B service guide.

Date	Chapter	Updates
2007/09/15	Chapter 1 ~ 3	1st edition

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Conventions

The following conventions are used in this manual.

SCREEN MESSAGES	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	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, you should check the most up-to-date information available on your regional web or channel. For whatever reason, if 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.

System Specification

Specification

LCD Panel

Max. resolution: 1366 x 768

14 CCFTs Backlight system

Display area: 32 inches

Display color: 16.7 M colors

Input Signal: 1-ch LVDS

Contrast ratio: 1500:1 (Typical)

Brightness: 500 Cd/m² (Typical)

Response Time: 6.5 ms (Typical)

Viewing angle: 88° (L) / 88° (R), 88° (U) / 88° (D)

I/O functions

21 pin Euro-SCART (RGB) for Video, S-Video, R.G.B. and Audio

21 pin Euro-SCART (RGB) for Video, S-Video, R G B and Audio

RCA jack (YUV and CVBS) for YPbPr, YCbCr, Video and Audio

15 pin D-Sub for VGA

19 pin D-Sub for HDMI

DIN45325 (IEC169-2) Terminal for TV / CATV input

3.5 mm Earphone jack for Audio Line input (option)

Video Functions

Support PAL / NTSC / SECAM video format

Support 480i/576i, 480p/576p, 1080i and 720p format

Build in Teletext functions

Build in Dynamic adaptive smoothing filter

Build in Dynamic temporal frame-filtering Noise Reduction

Build 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

Mechanical

VESA mounting holes

Compatibility

Multi-Sound system

NICAM

FM Stereo (A2)

Power Source

Input voltage: 90 ~ 264 V, 47 ~ 63 Hz

Input current: 220Vac/1A

Power consumption: 185 Watts

Stand-by: 5 Watts Max.

Remote controllers

Multi-function remote controller

Speaker

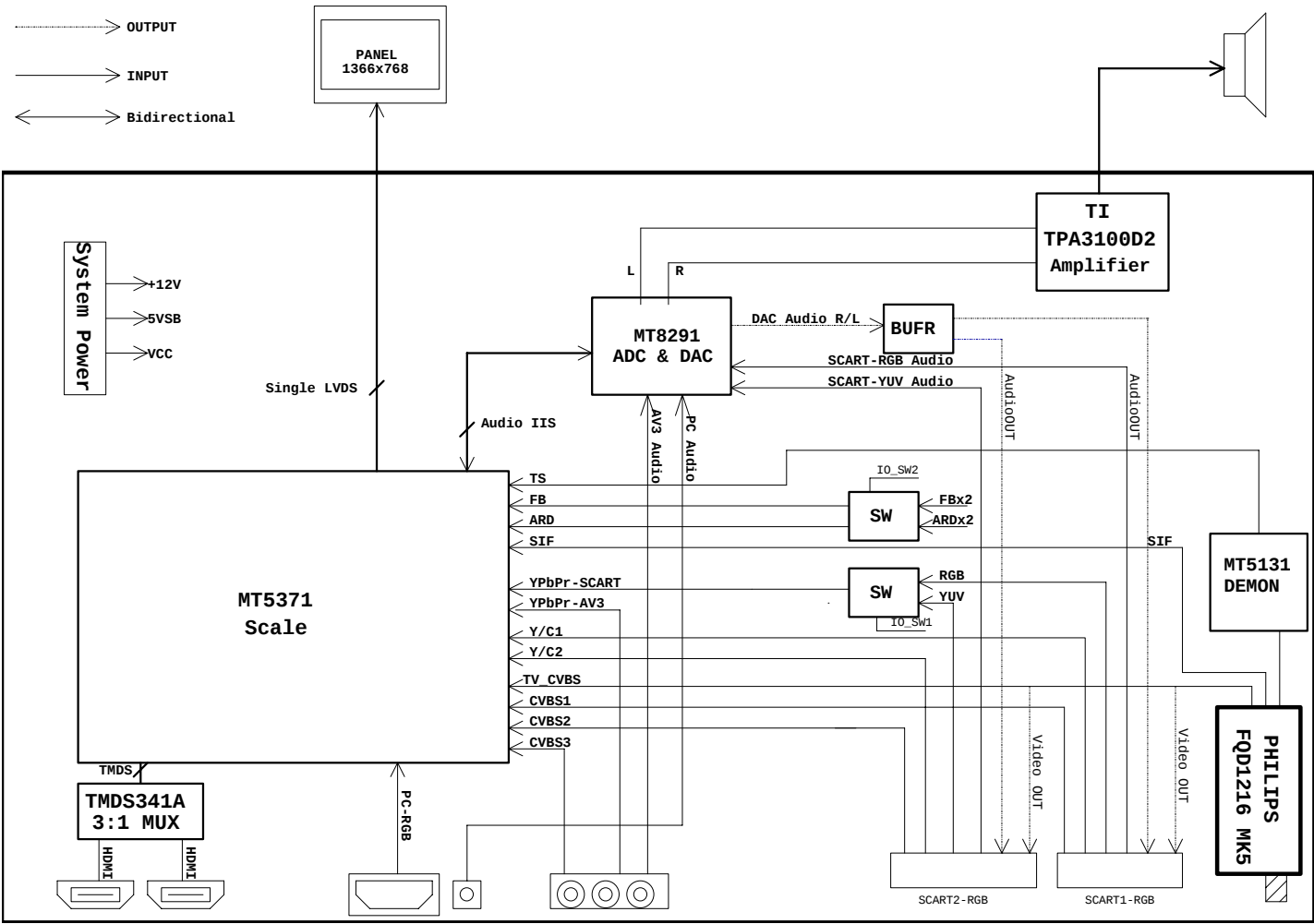
Internal speaker: 10 W x 2 stereo, volume adjustable

Others

On screen display adjustment function

ISP (In System Programming) function available for revising driver easily

System Block & Wiring Diagram



Remote Control



Key Functions

Remote Function description		
R/C for Europe	Key Functions	Remark (for cardreader)
Power	Power On/Off	
Display	Display Channel and Input Source	
Mute	Mute On/Off	
TV	TV Turner	
SCART	SCART1/SCART2	
AV	Composite/Component/HDMI1/HDMI2	
PC	VGA	
Sleep	Sleep Timeer Off 15/30/45/60/90/120	
Wide	Scaling Mode (4:3 /16:9 /Panorama /Letterbox)	
Menu	Open Menu or leave Menu	
Four way direction key		
up	Navigate up in the OSD or next (sub)page in teletext mode	
down	Navigate down in the OSD or pevious (sub) page in teletext mode	
left	Navigate left in the OSD	
right	Navigate right in the OSD	
OK	Selection Confirm	
Channel key		
1	Number key 1	
2	Number key 2	
3	Number key 3	
4	Number key 4	
5	Number key 5	
6	Number key 6	
7	Number key 7	
8	Number key 8	
9	Number key 9	
0	Number key 0	
Recall	Return to previous channel	
Enter	Enter to confirm channel selection by number key	
Channel UP	Channel up	
Channel Down	Channel down	
Volume key		
MPX	NICAM	
	STEREO Broadcast : Stereo/Mono	
	BILIGUAL Broadcast : Sound 1 / Sound 2	

	MONAURAL Broadcast: Mono	
	FM-FM	
	STEREO Broadcast: Stereo/Mono	
	BILINGUAL Broadcast : Sound 1 / Sound 2	
Volume up	Volume up	
Volume down	Volume down	
Teletext	Teletext on/off	
Index	Go to index page (usually page 100)	
Subpage	Enter/Leave subpage mode	
Reveal	Display Hidden Information	
Hold	Temporarily holds the current teletext page if TEXT on	
	Froze the picture if TEXT off	
Size	Zoom page toggle 1X/2X	
	Page select by Up-arrow and Down-arrow	
Teletext	Turn teletext mode on/off	
Subtitle	Show subtitle on the screen	
R	Colour button to operate the teletext	
G	Colour button to operate the teletext	
Y	Colour button to operate the teletext	
C	Colour button to operate the teletext	

Hardware Specification and Configuration

Electro / Optical

Model	AT3235B
Panel specification	
Resolution(pixels)	1366x768
Brightness(min.)	500 cd/m ²
Contrast ratio(min.)	1500:1(Typ.)
Display color	16.7 M
Viewing angle	176(H)/176(V)
Response(typ.)	6.5ms
Power supply	
Input	90-264 V, 47-63 Hz
Max. power Consumption	185W
Power saving	5W
Mechanical	
Dimensions(WxHxD mm)	814.44*612.29*261.45
Weight(Kg)	TBD
Analog TV system	
TV Color system	DVB-T
TV Color system	PAL,SECAM
Sound system	B/G/D/K/I/L
Stereo system	NICAM/ A2
Subtitle	Teletext 1.5 (1000 pages)
Digital TV System	
Digital TV standard	DVB-T
Sound system	ISO11172-3 layer1 & layer2 32KHz,44.1KHz,48KHz
Stereo system	MPEG (Layer I & II) Stereo 32 / 44.1 / 48KHz
Teletext	Yes
Subtitle	Yes
EPG	7days EPG
Frequency	7/8 MHz
Video format	16bit YUV
Resolution	SD(576i/480i)
Terminal	
RF	75Ω DIN45325 (IEC169-2) Type
SCART 1	Euro-SCART (RGB) for Video, S-Video, RGB and Audio
SCART 2	Euro-SCART (RGB) for Video, S-Video, RGB and Audio
Composite & Component	RCA for YPbPr or Video and Audio R/L
HDMI1/HDMI2	HDMI connect for hdmi time and DVI mode
PC Analog Port	D-Sub 15 pin VGA

Audio system**Speaker**

10 W x 2

Firmware Specifications

Preset Mode for VGA Input

16 factory pre-set modes for VGA inputs are saved during the manufacturing process.

Please press "Volume-" + "Channel+" + "POWER" to enter the LCD TV factory mode.

Preset mode	Pixel Format	Hor. Freq. (kHz)	Hor. Polarity	Vert. Freq. (Hz)	Vertical Polarity	Standard
1	720*400	31.47	-	70	+	VGA
2	640*480	31.47	-	60	-	VGA
3	640*480	32.861	-	72	-	VESA
4	640*480	32.5	-	75	-	VESA
5	640*480	43.4	-	85	-	VESA
6	800*600	35.156	-	56	+	VESA
7	800*600	32.879	+	60	+	VESA
8	800*600	48.077	+	72	+	VESA
9	800*600	46.875	+	75	+	VESA
10	800*600	53.7	+	85	+	VESA
11	1024*768	48.363	-	60	-	VESA
12	1024*768	56.476	-	70	-	VESA
13	1024*768	60.023	+	75	+	VESA
14	1360*768	47.7	+	60	+	VESA

This LCD TV shall have 10 or more user modes for user to creat own timing.

This LCD TV would detect the used mode automatically.

Power Saving

While VGA is selected to be input, this LCD TV is equipped with a power-management according to VESA DPMS. There is a delay of 30 seconds before the transition from On-state to power saving state to avoid unintentionally entering of a power saving state during display resolution and timing mode changes. During

the period of delay, the LED shall indicate green color and OSD will show “ NO VGA CONNECTION “. Transition from any power saving state to another can be instantaneous. The recovery from Off-state requires no manual power on.

Mode	Hsync	Vsync	Video	Power	Indication	Recovery time
Power-On	On	On	Active	< 185W	Green	--
Stand-by	Off	On	Off	< 1W	Red	<10s
Suspend	On	Off	Off	< 1W	Red	<10s
Off-state	Off	Off	Off	< 1W	Red	<10s
Power off	×	×	×	< 1W	Dark	Turn on <10s

Sync on means: normal operation

Sync off means: Hsync: $f < 1 \text{ KHz}$, duty cycle $> 25 \%$, Vsync: $f < 10 \text{ Hz}$, duty cycle $> 25 \%$

The power-consumption is valid over the specified voltage and frequency range.

Power consumption is measured from AC source.

There are no power saving modes for TV, SCART1/2 or HDMI1/2 or Composite or Component inputs.

Performance Specifications

The performance shall be check at 25°C environment.

White Balance and Uniformity

Set contrast and brightness at 50.

Adjustment Brightness min. 400 nits in all color temperatur.

The R, G, B gain could not exceed 512. (R, G, B could not saturation)

	White Balance (190/255)	Dark Balance (60/255)
COLD	x 0.268 (+/-0.005); y 0.273(+/-0.005)	x 0.268 (+/-0.005); y 0.273(+/-0.005)
STANDARD	x 0.280(+/-0.005; y 0.288(+/-0.005)	x 0.280(+/-0.005; y 0.288(+/-0.005)
WARM	x 0.295(+/-0.005); y 0.304(+/-0.005)	x 0.295(+/-0.005); y 0.304(+/-0.005)

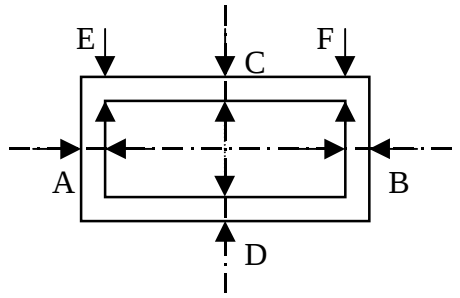
Display Area, Phase, Center and Tilt

Display Area: 32 inches diagonal

H-Phase: A-B Less than 1.5mm

V-Center: C-D Less than 1.5mm

Tilt: E-F Less than 1.5mm, but non-active area must be larger than zero for four sides



Max. Brightness

The brightness should exceed 350 Cd/m^2 while set both of contrast and brightness to max. and color temperature of Standard is selected. (Typical value would be 500 Cd/m^2).

Power Supply Electrical Specifications

The power supply for this product is an internal converter, with a non-replaceable fuse internally. This converter shall be well designed to meet CE mark requirement.

Input Voltage and Frequency Range

The operating range of line voltage shall be: AC 100 volts to 240 volts, 50 Hz to 60 Hz. Power consumption shall be under 185 Watts. Variation of the line voltage throughout the applicable operating range shall not result in any visible image anomalies such as image movement, changes in light output, nor changes in image stability or quality.

Line Fuse

The AC input shall be fused and become electrically open as a result of an unsafe current condition. This fuse is inside the power supply converter and is not user replaceable, and must be returned for replacement. This fuse shall be well selected to handle inrush current for all combinations of line voltage and frequency.

Hot plug and power on / off sequence

Once hot plug occurs, at the very first time, the initial current should be limited at 2.3 amps or lower when power off. Current will stay below 100 m amps while power on, then ramp up to full power (about 2.3 amps at AC 120 volts) within 5 seconds when power-up signal is triggered. For the shut down sequence, the current will stay at full power for about 150 m seconds or less, then ramp down to 100 m amps within 1 second.

Power on LED Location and Type

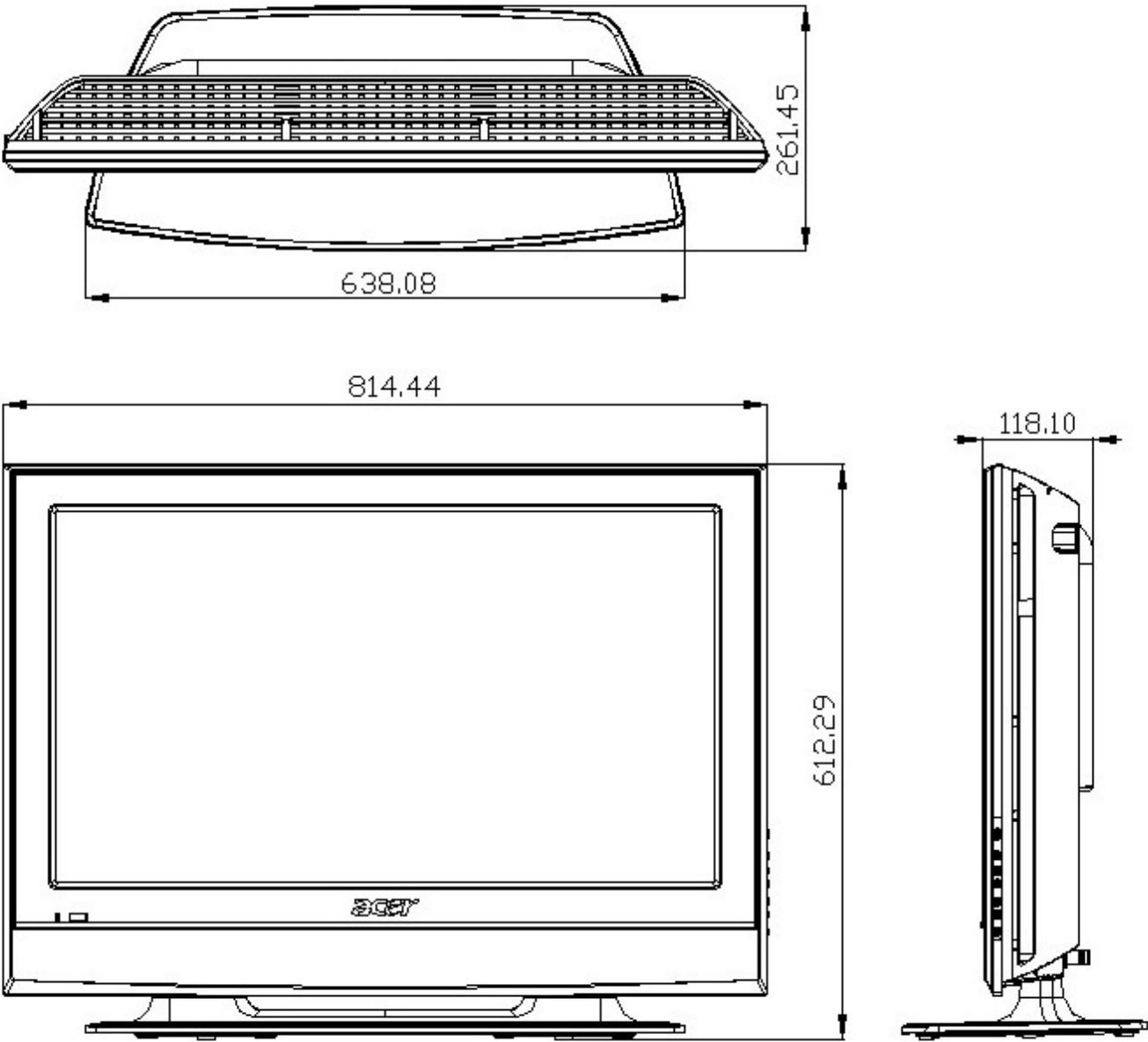
Power on indicator shall be easily visible from the front of the display.

Inverter

The inverter which is used to light up back-light of LCD panel shall be well designed to meet requirement of panel's specification.

Overall Dimensions

- Height: 612.29 mm
- Width: 814.44 mm
- Depth: 261.45 mm



Environmental Requirements

This display shall meet the following environmental requirements under normal operating conditions.

Operating

25° ± 5° for Purity, White Point, Mis-convergence, Luminance measurements and White uniformity measurement

Operating temperature: 0°C to 35°C

Operating humidity: 10 % to 90 % (non-condensing)

Storage and Shipping

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)

Altitude

Units tested at an altitude up to 12,000 feet must operate at normal conditions without exhibiting abnormal behavior such as arcing or shutdown.

Operating altitude: 0 to 12,000 feet

Shipping altitude: 0 to 40,000 feet

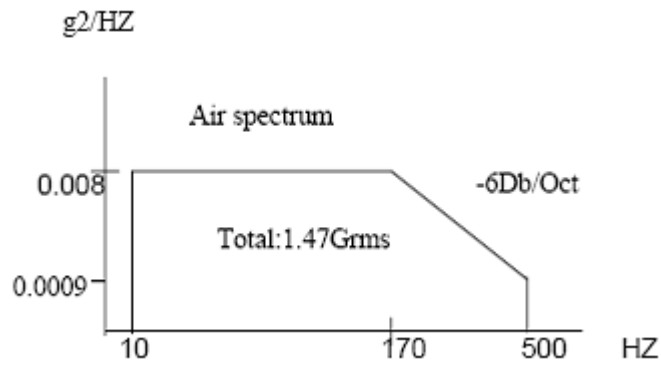
Storage altitude: 0 to 40,000 feet

Vibration Test

The packaged display shall be capable of passing sinusoidal vibration test as specified in follows.

a. Test condition as below:

- 1) Package sinusoidal vibration 7Hz, 1.05G acceleration, 20min/axe, 3axes
- 2) Random vibration, 10-500 Hz, 1.47G RMS



b. The unit under test shall be run for a duration of 30 minute in each of following orientations :

Top and bottom side (z axis).

Left and right side (x axis).

Front and rear side (y axis).

The unit shall suffer no visible cosmetic damage and should operate no degradation indisplay quality after test.

Additionally, prior to production and prior to implementation of any design or manufacturing change that might affect vibration performance, an minimum of 2 units shall be demonstrated to meet the requirements of specification.

Drop Test

The packaged display shall be capable of passing drop test as specified in following specification without any measurable degradation in performance or detectable mechanical or cosmetic damage.

Dropping way: 1 corner, 3 edges, 6 flats

Dropping Height: follow the below table

Weight(kg)	Corner, edge, F,R,Btm(cm)	L,R,Up side(cm)
0~9	51	51
9~18	39	39
18~27	36	36
27~45	31	31
45~100	25	25

Additionally, prior to production and prior to implementation of any design or manufacturing change that might affect vibration performance, a minimum of 2 units shall be demonstrated to meet the requirements of specification.

VESA DDC

The VGA/HDMI inputs shall be capable of continuously transmitting its Extended Display Identification (EDID) information using Display Data Channel. It shall automatically switch to DDC2 mode if a DDC2 capable host is detected in accordance with the VESA DDC standard.

In addition, the display can respond to a request for EDID, to be transmitted using DDC2, level B commands. If a DDC2 capable host is detected by the display, the display shall switch to DDC2 communication.

The EDID shall contain the manufacture name code QCI, product code, date of manufacture, and serial number.

For complete EDID data structure, please refer to VESA Extended Display Identification Data Standard.

Hardware implementation may be either integrate into micro-controller or be a separate electrical component. EDID memory must be protected against writing or other corruption through customer-accessible electrical connection and required communication channels. Password protection, use of an unpublished enable register, or use of direct electrical connection is acceptable levels of protection provided that the power-on Default State is that disabling writing. The serial number fields in the EDID must contain a unique identifying numbers among units of the same model. EDID Table is defined as below:

For VGA input:

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	04	72	08	AC	00	00	00	00
10	2D	0F	01	03	68	46	28	78	28	E6	9D	A3	54	4A	99	26
20	0F	47	4A	AD	CE	00	81	80	01	01	01	01	01	01	01	01
30	01	01	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1E	00	00	00	FD	00	32	55	1E
50	50	0B	00	0A	20	20	20	20	20	20	20	00	00	00	FF	00
60	30	30	30	31	0A	20	20	20	20	20	20	20	00	00	00	FC
70	00	41	63	65	72	20	41	54	33	32	33	35	0A	20	00	1B
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

For HDMI input (Optional)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	04	72	08	AC	00	00	00	00
10	1E	10	01	03	80	46	28	78	2A	E6	9D	A3	54	4A	99	26
20	0F	47	4A	AD	CE	00	81	80	01	01	01	01	01	01	01	01
30	01	01	01	01	01	01	01	1D	00	72	51	D0	1E	20	6E	28
40	55	00	C4	8E	21	00	00	1E	66	21	50	B0	51	00	1B	30
50	40	70	36	00	C4	8E	21	00	00	1E	00	00	00	FD	00	32
60	55	1E	50	0B	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	41	63	65	72	20	41	54	33	32	33	35	0A	20	01	7D
	02	03	19	71	46	84	13	05	14	12	03	23	09	07	07	83
	01	00	00	65	03	0C	00	10	00	01	1D	00	BC	52	D0	1E
	20	B8	28	55	40	C4	8E	21	00	00	1E	01	1D	80	18	71
	1C	16	20	58	2C	25	00	C4	8E	21	00	00	9E	01	1D	80
	D0	72	1C	16	20	10	2C	25	80	C4	8E	21	00	00	9E	8C
	0A	D0	90	20	40	31	20	0C	40	55	00	C4	8E	21	00	00
	18	8C	0A	D0	8A	20	E0	2D	10	10	3E	96	00	C4	8E	21
	00	00	18	00	00	00	00	00	00	00	00	00	00	00	00	1E

Machine Disassembly and Replacement

General Information

This chapter contains step-by-step procedures on how to disassemble the AT3735B series 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 screwdriver
Philips screwdriver
Hexagonal screwdriver
Tweezers

Note:

The screws for the different components vary in size. During the disassembly process, please group the screws with the corresponding components to avoid mismatch when doing assembly. When you remove the boards, please be careful not to scrape them.

Warning!

The module is driven by high voltage. If you need to handle the module during operation or just after powered off, you must take proper precautions against electric shock and must not touch the drive circuit portion and metallic part of module within 10 minutes. The capacitors in the drive circuit portion remain temporarily charged even after the unit is powered off. If the residual voltage is strong enough, it could result in electric shock. Thus, we strongly suggest that you put on the wrist ground strap and put the component on the conductive mat or bag. Besides, please keep the unit grounded during the whole process of disassembly and assembly.

Before You Begin

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

- 1 Turn off the power to the TV and all peripherals.
- 2 Unplug the AC adaptor and all power and signal cables from the TV.



1. Remove 2pcs screws from button of base, and take off it.



2. Remove 8pcs screws from rear cover.



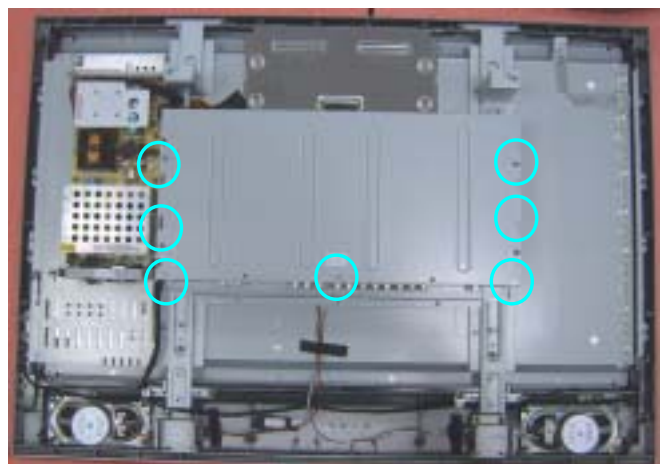
3. Remove 10pcs screws from rear cover, and take off it.



4. Remove 4pcs screws from stand ROD.



5. Remove 4pcs screws from shielding.



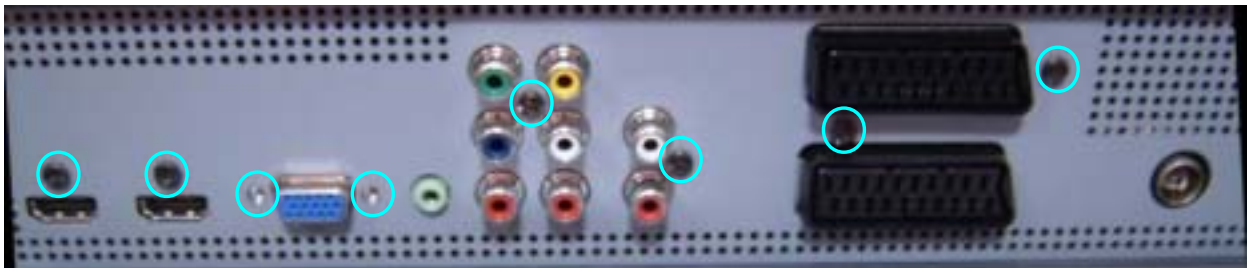
6. Remove 7pcs screws from shielding, and take off it.



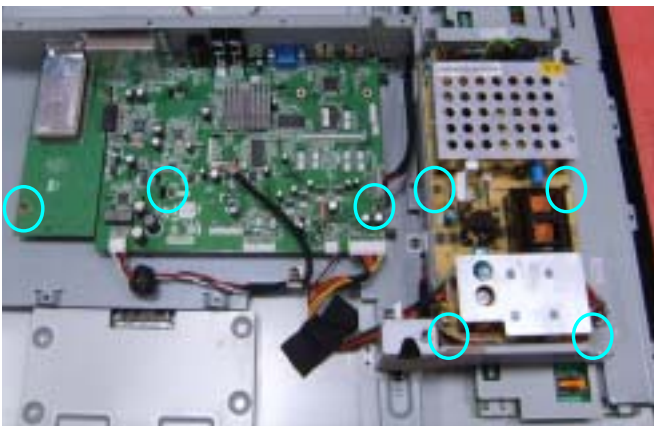
7. Remove 8pcs screws from speakers.



8. Remove 5pcs screws from M/B and IO/B, and 1pcs GND screw from P/B.



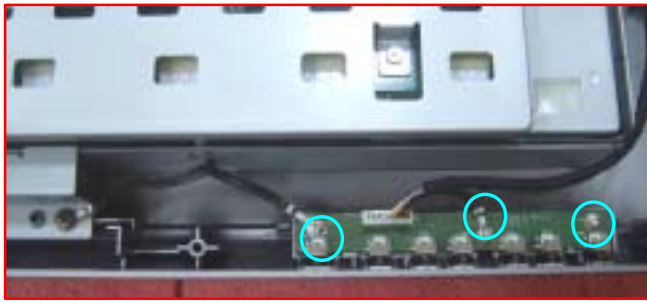
9. Remove 8pcs screws from connector.



10. Remove 7pcs screws from P/B, M/B and IO/B.



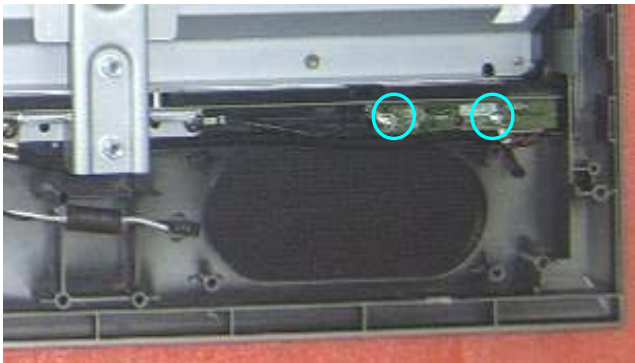
11. Remove 2pcs screws from P/B.



12. Remove 3pcs screws from B/B.



13. Remove 3pcs screws as above show.



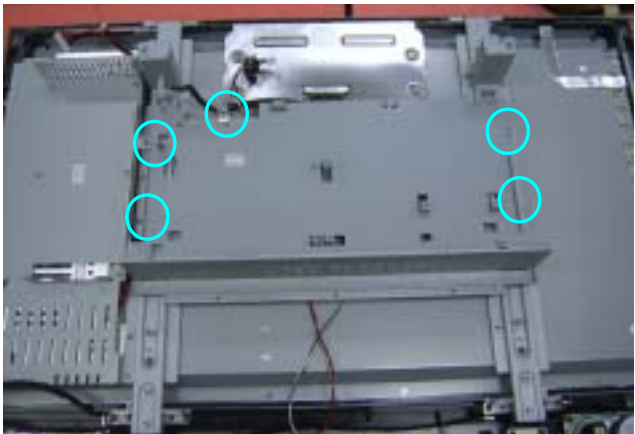
14. Remove 2pcs screws from IR/B.



15. Remove 6pcs screws as above show.



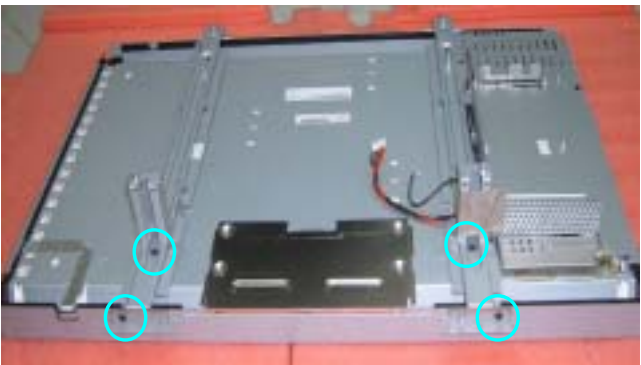
16. Remove 7pcs screws from panel



17. Remove 5pcs screws as above show.



18. Remove 3pcs screws as above show.



19. Remove 4pcs screws as above show.



20. Remove 2pcs screws as above show.



21. Remove 3pcs screws as above show.



22. Disconnect the cables.

FRU (Field Replaceable Unit) List

This section gives you the FRU (Field Replaceable Unit) list in global configurations of AT3235B series. Please 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 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.

PARTS

PART NAME	DESCRIPTION	TVE PART NO.	ACER PART NO.
Accessory			
REMOTE	REMOTE CONTROL EURT54B009 GP	DQ754B00901	
BATTERY	BATTERY LR03GW/2SK (ALKALINE 1.5V) GP	AHDALR03006	
PWR CORD	PWR CORD B 1.8M SP-027/10A SWI GP	DM333181J29	27.M11V7.001
BOARD			
MAIN/B	FV2E M/B ASSY(EU)AUO GP	21FV2EMB004	55.M5607.001
IO/B	FV2E IO/B ASSY GP	23FV2EIB009	55.M5607.002
IR/B	IV2E IR/B ASSY GP	23IV2EIB012	55.M5607.004
KEYPAD/B	IV2 KEYPAD/B ASSY GP	23IV2EKB001	55.M5607.005
POWER/B	PWR 185W,DPS-185KP-2 A(90~264VAC) GP	AF185B00300	55.M5607.003
Cable			
CABLE LVDS	CABLE LVDS(50P/30P,285MM) IV2E GP	DDIV2ELC003	50.M5607.001
CABLE INV	CABLE INVERTER(14P/10P/4P,420MM)IV2E GP	DDIV2EIV009	50.M5607.002
CABLE SPEAK	CABLE SPEAK(660MM,2P/3P,4P),HH2 GP	DD0HH2EP101	50.M12V7.005
CABLE KEY-IR	CABLE KEY-IR(10P/9P/8P,920MM)IV2E GP	DDIV2ETH003	50.M5607.003
CABLE MB-PWR	CABLE MB-PWR(290MM,10P/12P,1A)HX2 GP	DD0HX2PB006	50.M25V7.003
CABLE ASSY	CABLE ASSY HX2E MB/POW 12P/10P,REV3A GP	DDHX2EIR000	50.M5607.004
CABLE ASSY	CABLE ASSY HH2 GND(1P/1P,1A)GP	DD0HH2TH004	50.M12V7.007
Case / Cover / Bracket / Assembly			
LCD BEZEL ASSY	FV2E FRONT BEZEL ASSY GP	32FV2EFB001	60.M5607.001
BACK COVER	AH3T BACK COVER ASSY GP	47AH3TBC002	60.M5607.002
STAND ASSY	IV2E STAND ASSY GP	26IV2ESA005	60.M5607.004
STAND BASE	STAND BASE IV7E(EAIV7E01,REV3A)GP	EAIV7E01013	
WALL MOUNT BKT-L	WALL MOUNT BKT-L HE2(FBHE2002,REV3A)GP	FBHE2002019	
WALL MOUNT BKT-R	WALL MOUNT BKT-R HE2(FBHE2003,REV3A)GP	FBHE2003015	
STAND SUPPORT BKT	STAND BRACKET IV7E(FAIV7E01,REV3A)GP	FAIV7E01013	
POWER SUPPORT BKT	POWER BRACKET-L04 AH2(FAAH2020,R3A) GP	FAAH2020010	33.M5607.006
SWITCH BKT	SWITCH BKT AH2(FBAH2012,REV3A)GP	FBAH2012010	33.M25V7.005
LCD			
LCD	LCD(TFT) 31.5" T315XW02 VC QCI-CON GP	AAT315XW002	LK.32005.002
LCD	LCD(TFT) 31.5" T315XW02 VC STN B/S	AAT315XW300	LK.32005.002
LABEL			
LABEL (POWER)	LABEL (POWER) HV2N(HCHV2002,REV3A) GP	HCHV2002019	40.M25V7.001
LABEL (BUTTONS)	LABEL(BUTTON)IV2E(HCIV2E03,REV3A)GP	HCIV2E03010	
LABEL DVB	LABEL DVB FV2E(HCFV2E02,R3A)GP	HCFV2E02018	
LABEL(I/O.TUNER)	LABEL(I/O.TUNER) FV2E(HCFV2E01,R3B)GP	HCFV2E01011	40.M5607.002
BOX LABEL	BOX LABEL(130WX150L)VT1(HCVT1004,R3A) GP	HCVT1004017	
RATING LABEL	RATING LABEL (MIC) IV2E(HCIV2E01,R3A)GP	HCIV2E02013	
MISCELLANEOUS			
EMI GASKET	EMI GASKET(WH9.5L270) AH2(GBAH2001,3B)GP	GBAH2001018	
PCB-HOLD GASKET	PCB-HOLD GASKET DOWN AH2T(GBAH2007,3B)GP	GBAH2007016	
PCB-HOLD GASKET	PCB-HOLD GASKET UP AH3T(GBAH3T01,3A)GP	GBAH3T01012	
SCREW			

SCREW	SCREW M4*6-B(BNI) GP	MM40060BJ27	86.M25V7.005
SCREW	SCREW T4*12-B(BNI) GP	ME40120BJ24	86.M25V7.003
SCREW	SCREW F3.0*6-B(NI)GP	MF30060BBJ6	86.M25V7.002
SCREW	SCREW M4*5-I(NI)(NYLOK) GP	MM40050IC16	86.M4507.001
SCREW	SCREW M4*6 P (NI) GP	MM40060PCE2	86.M01V7.002
SCREW	SCREW M4*8-B(BNI)-NYLOK GP	MM40080BL63	
SCREW	SCREW M3*6-B(BNI) GP	MM30060BJ25	86.M08V7.003
SCREW	SCREW T3*8-B(BNI) GP	MT30080BJ20	86.M08V7.007
SCREW	SCREW F4.0*8-I(NI)GP	MF40080IBJ1	
SCREW	SCREW M5.0*8-I(NI) GP	MS50080IHD1	
IO NUT	NUT IO EA1(MBEA1001,REV3D)GP	MBEA1001012	86.M25V7.001

Exploded parts list

ITEM	DESCRIPTION	TVE PART NO.	ACER PART NO	QTY
1	HE2E PANEL BAR-L ASSY GP	36HE2EPA008	33.M5607.002	1
2	HE2E PANEL BAR-R ASSY GP	36HE2EPA016	33.M5607.003	1
3	AH3T BACK COVER ASSY GP	47AH3TBC002	60.M5607.002	1
4	HV7E FUNCTION KEY ASSY GP	3JHV7EKA008	33.M5607.004	1
5	POWER BRACKET-L04 AH2(FAAH2020,R3A) GP	FAAH2020010	33.M5607.006	1
6	IV2E EMI SHIELDING ASSY GP	36IV2EPS003	33.M5607.007	1
7	SWITCH BKT AH2(FBAH2012,REV3A)GP	FBAH2012010	33.M25V7.005	1
8	SIDE FIXER L JL2(FBJL2005,REV3A)GP	FBJL2005015	33.M25V7.003	1
9	STAND ROD IV2E(FAIV2E01,REV3B)GP	FAIV2E01015	60.M5607.003	2
10	PANEL CONTACT PAD (GBVT2010,REV3A)GP	GBVT2010010	47.M01V7.004	1
11	AL FOIL(W32L80) AH2(JXAH2001,REV3A) GP	JXAH2001019	40.M5607.003	1
12	LABEL (POWER) HV2N(HCHV2002,REV3A) GP	HCHV2002019	40.M25V7.001	1
13	CONDUCTIVE TAPE-DN HR7(JXHR7005,R3A)GP	JXHR7005012	47.M5307.001	1
14	NUT IO EA1(MBEA1001,REV3D)GP	MBEA1001012	86.M25V7.001	2
15	SCREW T4*12-B(BNI) GP	ME40120BJ24	86.M25V7.003	37
16	SCREW F3.0*6-B(NI)GP	MF30060BBJ6	86.M25V7.002	6
17	SCREW M4*5-I(NI)(NYLOK) GP	MM40050ICI6	86.M4507.001	4
18	SCREW M4*6-B(BNI) GP	MM40060BJ27	86.M25V7.005	21
19	SCREW M4*6 P (NI) GP	MM40060PCE2	86.M01V7.002	1
20	SCREW M4*8-B(BNI)-NYLOK GP	MM40080BL63		6
21	LENS IV4E(EBIV4E01,REV3A) GP	EBIV4E01013	33.M5607.005	1
22	FV2E FRONT BEZEL ASSY GP	32FV2EFB001	60.M5607.001	1
23	FV2E PCB HOLDER MTK-EU ASSY GP	36FV2EPH008	33.M5607.001	1
24	SCREW M3*6-B(BNI) GP	MM30060BJ25	86.M08V7.003	16
25	SCREW T3*8-B(BNI) GP	MT30080BJ20	86.M08V7.007	4
26	IV2E STAND ASSY GP	26IV2ESA005	60.M5607.004	1
27	LABEL(I/O.TUNER) FV2E(HCFV2E01,R3B)GP	HCFV2E01011	40.M5607.002	1
28	IV2E STAND SCREW ASSY GP	3DIV2ESR001		1

