

Acer Projector
P1500
Series User's Guide

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Introduction

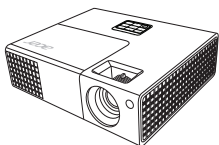
Product Features

This product is a single-chip DLP® projector, including the following outstanding features:

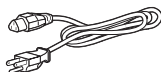
- DLP® technology
- X1111/X1140/X1140A/X1111P: Native 800 x 600 SVGA resolution, Auto/4:3/16:9 aspect ratio supported
X1240: Native 1024 x 768 XGA resolution, Auto/4:3/16:9 aspect ratio supported
X1340W/P1340W/P1341W/X1340WH/P1340WG: Native 1280 x 800 WXGA resolution, Auto/Full/4:3 /16:9/L.Box aspect ratio supported
H6510BD/P1500: Native 1920 x 1080 1080p resolution, Auto/Full/4:3/16:9/L.Box aspect ratio supported
- Enables projecting 3D content via DLP Link Technology: Blu-Ray 3D supported (P1340W/P1341W/X1340WH/P1340WG and H6510BD/P1500) and Nvidia 3DTV Play Ready (H6510BD only)
- Enriches 3D experience for 2D contents via 2D to 3D convert function (H6510BD only)
- One-touch "3D" button on remote control allows quick and easy access to the 3D functions (H6510BD only)
- Acer ColorBoost technology delivers vivid, life-like images
- High brightness and contrast ratio
- Versatile display modes enable optimum performance in any situation
- NTSC/PAL/SECAM compatible and HDTV (720p, 1080i, 1080p) supported
- Lower power consumption and economy (ECO) mode extends lamp life
- Dynamic Black / ExtremeEco functions help decrease lamp power consumption and further extend lamp life.
 - Dynamic Black: If turned on, the projector dynamically adjusts the power consumption of the lamp according to the brightness of the image being projected. When projecting darker images the power consumption will be reduced and the contrast of the image will also be enhanced.
 - ExtremeEco: The projector will decrease the power consumption of the lamp by up to 70% when no input signal can be detected for 5 seconds.
- Acer EcoProjection Technology delivers Intelligent power management approach and physical efficiency improvement
- Empowering Key reveals Acer Empowering Technology functions for easy adjustment of settings
- Advanced keystone correction delivers optimum presentations
- Multi-language Onscreen Display (OSD) menus
- Manual focus/zoom projection lens
- 2X digital zoom and pan move function
- Microsoft® Windows® 2000, XP, 7, Vista®, Macintosh OS compliant

Package Overview

This projector comes with all the items shown below. Check to make sure you have them all. Contact your dealer immediately if any thing is missing.



Projector



Power cord



VGA cable



Security card



User's guide (CD-ROM)



Remote control



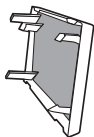
Quick start guide



Battery x 2



Carrying case
(Optional)

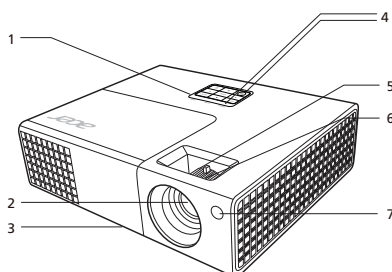


Dust filter
(Optional)

Projector Overview

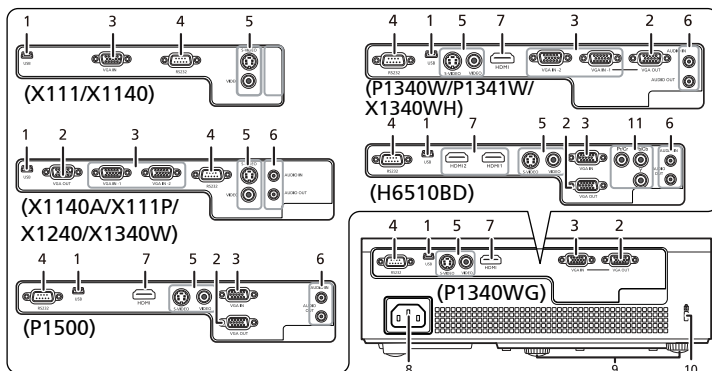
Projector Outlook

Front/upper side



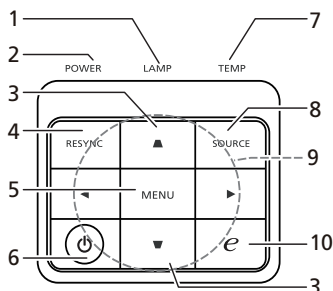
#	Description	#	Description
1	Control panel	5	Zoom ring
2	Projection lens	6	Focus ring
3	Tilt adjusting wheel	7	Remote control receiver
4	Power key and Power indicator LED		

Rear side



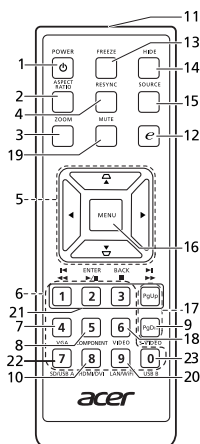
#	Description	#	Description
1	Mini USB connector	7	HDMI connector
2	Monitor loop-through output connector	8	Power socket
3	Analog RGB signal/HDTV/component video input connector	9	Tilt adjusting wheel
4	RS232 connector	10	Kensington™ lock port
5	S-Video input connector Composite video input connector	11	Component video input connector
6	Audio input connector Audio output connector		

Control Panel

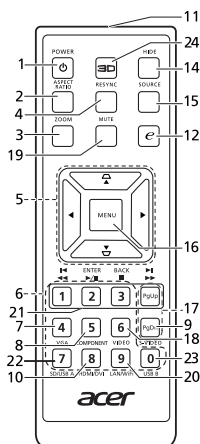


#	Function	Description
1	LAMP	Lamp Indicator LED.
2	POWER indicator LED	Refer to the "Turning the Projector On/Off" section.
3	Keystone	Adjusts image distortion caused by tilting projection (± 40 degrees).
4	RESYNC	Automatically synchronizes the projector to the input source.
5	MENU	Launches the Onscreen Display (OSD) menu, returns to the previous step for the OSD menu operation or exits the OSD menu.
6	Power key	Refer to the "Turning the Projector On/Off" section.
7	TEMP	Temp Indicator LED.
8	SOURCE	Chooses RGB, component video, S-Video, composite video, HDMI or HDTV source.
9	Four directional selection keys	Selects items or makes adjustments to your selection
10	Empowering key	Enables unique Acer functions: eView, eTimer, ePower Management, e3D.



Remote Control Layout



X111/X1140/X1140A/X111P/
X1240/X1340W/P1340W/P1341W/
X1340WH/P1340WG/P1500



H6510BD

#	Function	Description
1	POWER	Refer to the "Turning the Projector On/Off" section.
2	ASPECT RATIO	To choose the desired aspect ratio.
3	ZOOM	Zooms the projector display in or out.
4	RESYNC	Automatically synchronizes the projector to the input source.
5	 Keystone	Adjusts image distortion caused by tilting projection (± 40 degrees).
	 Four directional selection keys	Selects items or makes adjustments to your selection.
6	Keypad 0~9	Press "0~9" to input a password in the "Setting" > "Security" OSD.
7	VGA	To change source to VGA. This connection supports analog RGB, YPbPr (480p/576p/720p/1080i/1080p), and YCbCr (480i/576i).
8	COMPONENT	To change source to Component video. This connector supports YpPr.
9	S-VIDEO	To change source to S-Video.
10	HDMI™; HDMI™/DVI	To change source to HDMI™ (or DVI). (P1340W/P1341W/ X1340WH/P1340WG/H6510BD/P1500 only)

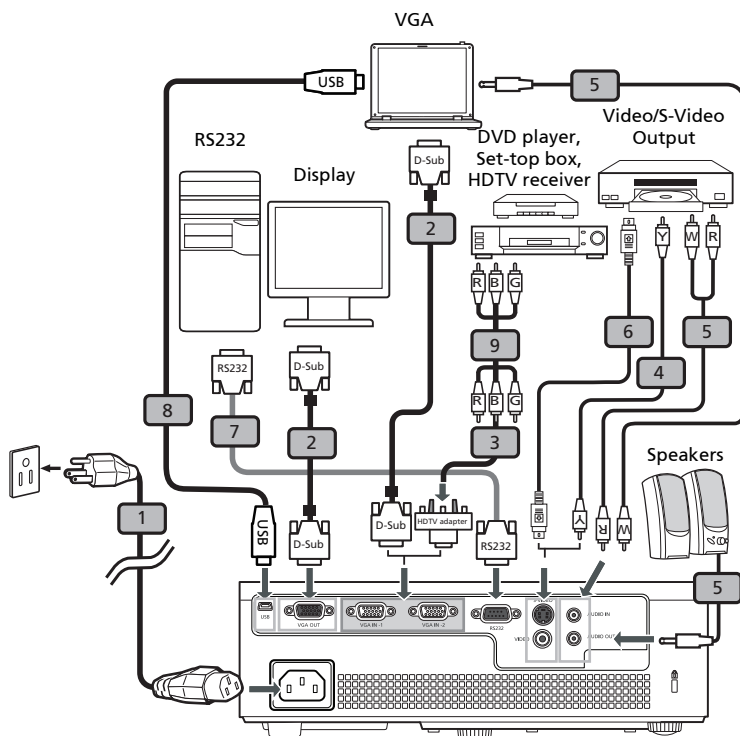
#	Function	Description
11	Infrared transmitter	Sends signals to the projector.
12	Empowering key	Enables unique Acer functions: eView, eTimer, ePower Management, e3D.
13	FREEZE	To pause the screen image.
14	HIDE	Press "HIDE" to hide screen image; press again to display the image.
15	SOURCE	Chooses RGB, component video, S-Video, composite video, HDMI or HDTV source.
16	MENU	Launches the Onscreen Display (OSD) menu, returns to the previous step for the OSD menu operation or exits the OSD menu.
17	PgUp/PgDn	For computer mode only. Use this button to select the next or previous page. This function is only available when connected to a computer via a USB cable.
18	VIDEO	To change source to composite video.
19	MUTE	To turn on/off the volume.
20	WIRELESS; LAN/WiFi	(No function)
21	◀◀ Rewind ▶/⏸ Play/Pause ■ Stop ▶▶ Fast-forward	(No function)
22	SD/USB A	(No function)
23	USB B	(No function)
24	3D	Press to open the 3D menu for adjusting 3D settings.



Getting Started

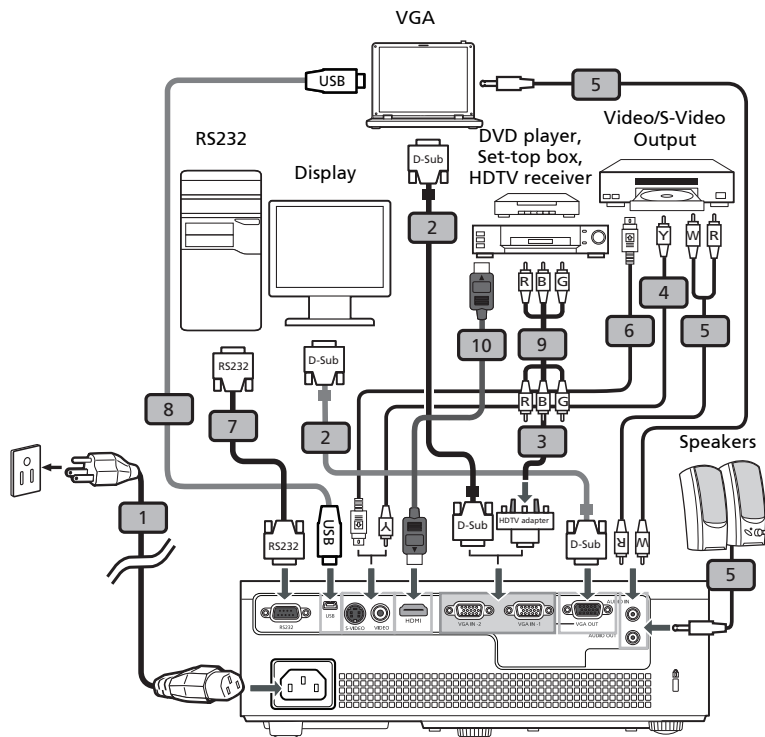
Connecting the Projector

X111/X1140/X1140A/X111P/X1240/X1340W



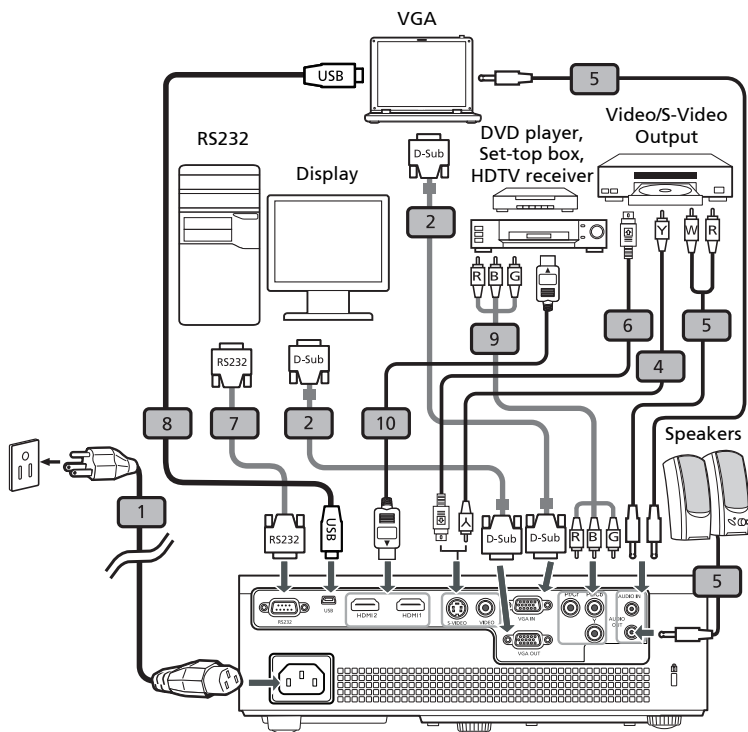
#	Description	#	Description
1	Power cord	6	S-Video cable
2	VGA cable	7	RS232 cable
3	VGA to component video/HDTV adapter	8	USB cable
4	Composite video cable	9	3 RCA component cable
5	Audio cable		

P1340W/P1341W/X1340WH/P1340WG



#	Description	#	Description
1	Power cord	6	S-Video cable
2	VGA cable	7	RS232 cable
3	VGA to component video/HDTV adapter	8	USB cable
4	Composite video cable	9	3 RCA component cable
5	Audio cable	10	HDMI cable

H6510BD/P1500




#	Description	#	Description
1	Power cord	7	RS232 cable
2	VGA cable	8	USB cable
4	Composite video cable	9	3 RCA component video cable
5	Audio cable	10	HDMI cable
6	S-Video cable		

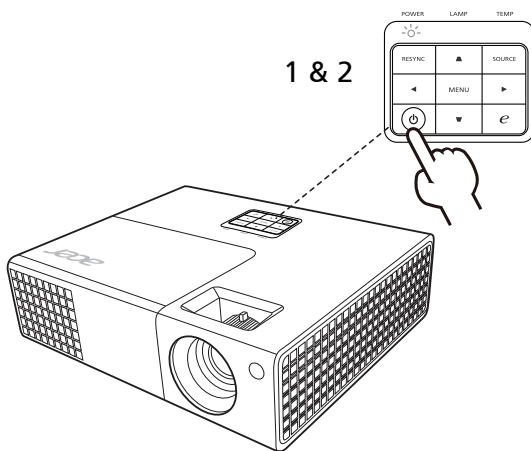


Note: To ensure the projector works well with your computer, please make sure the timing of the display mode is compatible with the projector.

Turning the Projector On/Off

Turning On the Projector

- 1 Ensure that the power cord and signal cable are securely connected. The Power LED will light red.
- 2 Turn on the projector by pressing  (POWER) on the control panel or remote control, and the Power indicator LED will turn blue.
- 3 Turn on your source (computer, notebook, video player, etc.). The projector will detect your source automatically.
 - If the screen displays "No Signal", please make sure the signal cables are securely connected.
 - If you connect to multiple sources at the same time, use "SOURCE" on the control panel or remote control, or the direct source key on the remote control to switch between inputs.



Turning Off the Projector

- 1 To turn the projector off, press the power button. This message appears:
"Please press power button again to complete the shutdown process"
Press the power button again.
- 2 The LED Power indicator will turn solid red to indicate standby mode.
- 3 It is now safe to unplug the power cord.

When Instant Resume is selected:

- 1 The LED Power indicator will turn RED and blink rapidly after the projector is turned off, and the fan(s) will continue to operate for about 2 minutes to ensure that the system cools properly.
- 2 As long as the power cord remains plugged in, you can press the power button to turn the projector immediately back on anytime during the 2-minute shutdown process.
- 3 Once the system has finished cooling, the LED Power indicator will stop blinking and turn solid red to indicate standby mode.
- 4 It is now safe to unplug the power cord.



Warning indicators:

- **"Projector Overheated. Lamp will automatically turn off soon."**
This onscreen message indicates that the projector has overheated. The lamp will automatically turn off, the projector will automatically shut down, and the LED Temp indicator will turn solid red. Contact your local dealer or service center.
- **"Fan failed. Lamp will automatically turn off soon."**
This onscreen message indicates that the fan has failed. The lamp will automatically turn off, the projector will automatically shut down, and the LED Temp indicator will blink. Contact your local dealer or service center.



Note: Whenever the projector automatically shuts down and the LED Temp indicator turns solid red, contact your local reseller or service center.

Adjusting the Projected Image

Adjusting the Height of the Projected Image

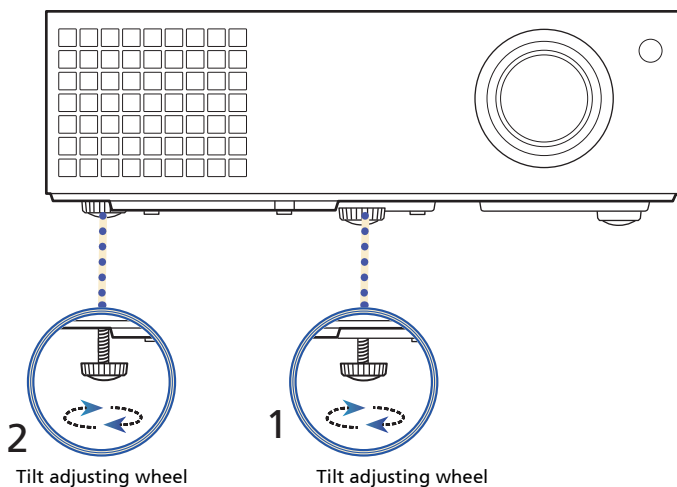
The projector is equipped with two elevator feet for adjusting the image height.

To raise the image:

- 1 Use the front Tilt adjusting wheel to raise the image to the desired height and angle.
- 2 Use the rear Tilt adjusting wheel to fine-tune the display angle.

To lower the image:

- 1 Use the front Tilt adjusting wheel to lower the image to the desired height angle.
- 2 Use the rear Tilt adjusting wheel to fine-tune the display angle.



How to Optimize Image Size and Distance

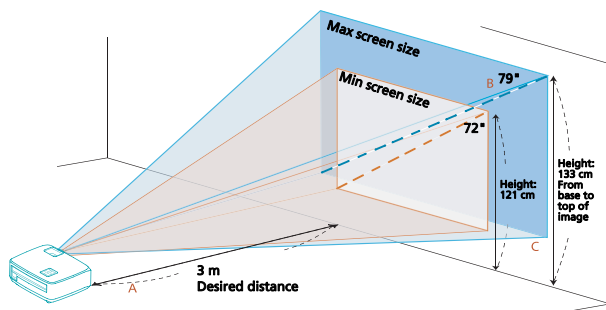
Consult the table below to find the optimal image sizes achievable when the projector is positioned at a desired distance from the screen.

- X111/X1140/X1140A/X111P/X1240

If the projector is 3 m from the screen, good image quality is possible for image sizes between 72" and 79".



Note: Remind as below figure, the space of 133 cm height is required when the projector is located at 3 m distance.



Desired Distance (m) < A >	Minimum Screen Size (Min zoom)			Maximum Screen Size (Max zoom)		
	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >
1	24	49 x 37	40	26	54 x 40	44
1.5	36	74 x 55	61	40	81 x 60	67
2	48	98 x 74	81	53	108 x 81	89
2.5	60	123 x 92	101	66	134 x 101	111
3	72	147 x 110	121	79	161 x 121	133
3.5	84	172 x 129	142	93	188 x 141	155
4	96	196 x 147	162	106	215 x 161	177
4.5	108	221 x 165	182	119	242 x 181	200
5	120	245 x 184	202	132	269 x 202	222
6	144	294 x 221	243	159	323 x 242	266
7	168	343 x 257	283	185	376 x 282	310
8	192	392 x 294	324	212	430 x 323	355
9	216	441 x 331	364	238	484 x 363	399
10	241	490 x 368	404	265	538 x 403	444
11	265	539 x 404	445	291	591 x 444	488
12	289	588 x 441	485	318	645 x 484	532

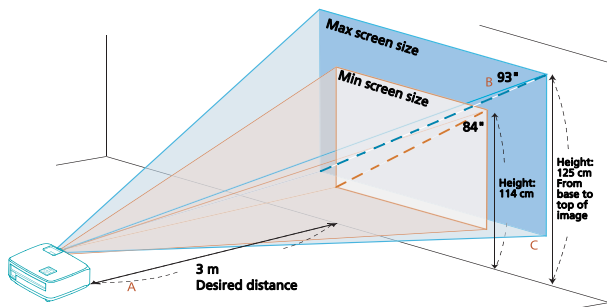
Zoom Ratio: 1.1 x

- X1340W/P1340W/P1341W/X1340WH/P1340WG

If the projector is 3 m from the screen, good image quality is possible for image sizes between 84" and 93".



Note: Remind as below figure, the space of 125 cm height is required when the projector is located at 3 m distance.



Desired Distance (m) < A >	Minimum Screen Size (Min zoom)			Maximum Screen Size (Max zoom)		
	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >
1	28	61 x 38	38	31	67 x 42	42
1.5	42	91 x 57	57	46	100 x 63	63
2	56	121 x 76	76	62	133 x 83	83
2.5	70	152 x 95	95	77	167 x 104	104
3	84	182 x 114	114	93	200 x 125	125
3.5	98	212 x 133	133	108	233 x 146	146
4	113	242 x 152	152	124	267 x 167	167
4.5	127	273 x 170	170	139	300 x 188	188
5	141	303 x 189	189	155	333 x 208	208
6	169	364 x 227	227	186	400 x 250	250
7	197	424 x 265	265	217	467 x 292	292
8	225	485 x 303	303	248	533 x 333	333
9	253	545 x 341	341	279	600 x 375	375
10	281	606 x 379	379	310	667 x 417	417
11	310	667 x 417	417	340	733 x 458	458
12	338	727 x 455	455	371	800 x 500	500

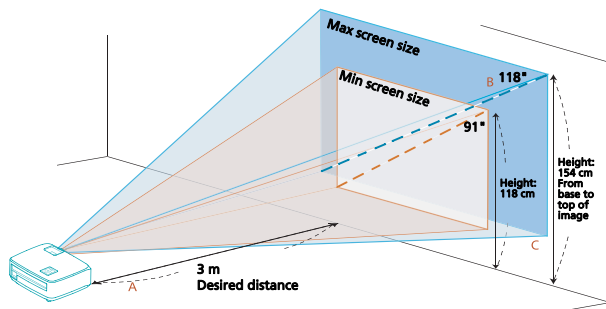
Zoom Ratio: 1.1 x

- H6510BD/P1500

If the projector is 3 m from the screen, good image quality is possible for image sizes between 91" and 118".



Note: Remind as below figure, the space of 154 cm height is required when the projector is located at 3 m distance.



Desired Distance (m) < A >	Minimum Screen Size (Min zoom)			Maximum Screen Size (Max zoom)		
	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >	Diagonal (inch) < B >	W (cm) x H (cm)	From base to top of image (cm) < C >
1	30	67 x 38	39	39	87 x 49	51
1.5	45	100 x 56	59	59	130 x 73	77
2	61	133 x 75	79	79	174 x 98	103
2.5	76	167 x 94	98	98	217 x 122	128
3	91	200 x 113	118	118	261 x 147	154
3.5	106	233 x 131	138	137	304 x 171	180
4	121	267 x 150	158	157	348 x 196	205
4.5	136	300 x 169	177	177	391 x 220	231
5	152	333 x 188	197	196	435 x 245	257
6	182	400 x 225	236	236	522 x 293	308
7	212	467 x 263	276	275	609 x 342	360
8	242	533 x 300	315	314	696 x 391	411
9	273	600 x 338	354	354	783 x 440	462
10	303	667 x 375	394	393	870 x 489	514
11	333	733 x 413	433	432	957 x 538	565
12	364	800 x 450	473	471	1043 x 587	616

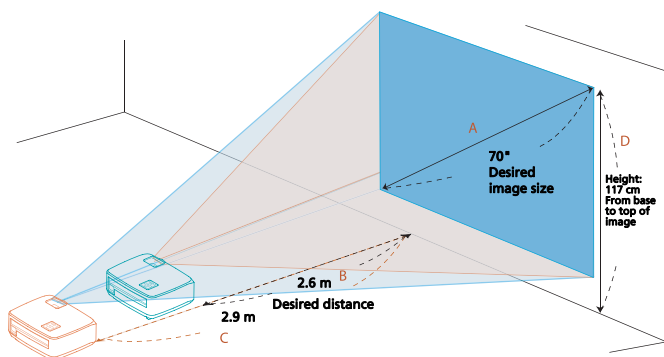
Zoom Ratio: 1.3 x

How to Get a Preferred Image Size by Adjusting Distance and Zoom

The table below shows how to achieve a desired image size by adjusting either the position or the zoom ring.

- X111/X1140/X1140A/X111P/X1240

To obtain an image size of 70", set the projector at a distance between 2.6 m and 2.9 m from the screen and adjust the zoom level accordingly.

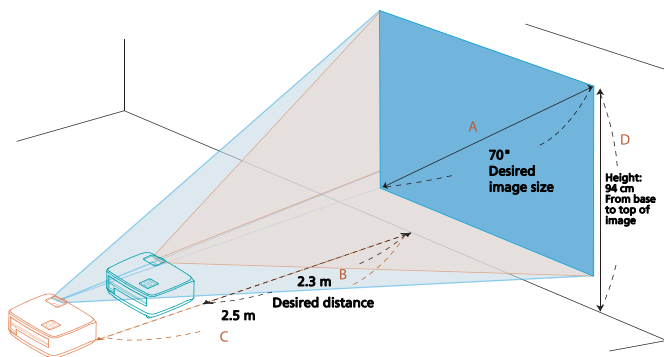


Desired Image Size		Distance (m)		Top (cm)
Diagonal (inch) < A >	W (cm) x H (cm)	Max zoom < B >	Min zoom < C >	From base to top of image < D >
30	61 x 46		1.2	50
40	81 x 61	1.5	1.7	67
50	102 x 76	1.9	2.1	84
60	122 x 91	2.3	2.5	101
70	142 x 107	2.6	2.9	117
80	163 x 122	3.0	3.3	134
90	183 x 137	3.4	3.7	151
100	203 x 152	3.8	4.2	168
120	244 x 183	4.5	5.0	201
150	305 x 229	5.7	6.2	251
180	366 x 274	6.8	7.5	302
200	406 x 305	7.6	8.3	335
250	508 x 381	9.4	10.4	419
300	610 x 457	11.3		503

Zoom Ratio: 1.1 x

- X1340W/P1340W/P1341W/X1340WH/P1340WG

To obtain an image size of 70" set the projector at a distance between 2.3 m and 2.5 m from the screen and adjust the zoom level accordingly.

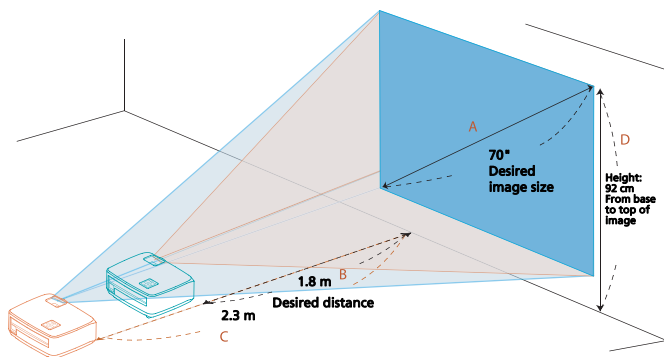


Desired Image Size		Distance (m)		Top (cm)
Diagonal (inch) < A >	W (cm) x H (cm)	Max zoom < B >	Min zoom < C >	From base to top of image < D >
30	65 x 40		1.1	40
40	86 x 54	1.3	1.4	54
50	108 x 67	1.6	1.8	67
60	129 x 81	1.9	2.1	81
70	151 x 94	2.3	2.5	94
80	172 x 108	2.6	2.8	108
90	194 x 121	2.9	3.2	121
100	215 x 135	3.2	3.6	135
120	258 x 162	3.9	4.3	162
150	323 x 202	4.8	5.3	202
180	388 x 242	5.8	6.4	242
200	431 x 269	6.5	7.1	269
250	538 x 337	8.1	8.9	337
300	646 x 404	9.7		404

Zoom Ratio: 1.1 x

- H6510BD/P1500

To obtain an image size of 70" set the projector at a distance between 1.8 m and 2.3 m from the screen and adjust the zoom level accordingly.




Desired Image Size		Distance (m)		Top (cm)
Diagonal (inch) < A >	W (cm) x H (cm)	Max zoom < B >	Min zoom < C >	From base to top of image < D >
30	66 x 37		1.0	39
40	89 x 50	1.0	1.3	52
50	111 x 62	1.3	1.6	65
60	133 x 75	1.5	2.0	78
70	155 x 87	1.8	2.3	92
80	177 x 100	2.0	2.6	105
90	199 x 112	2.3	3.0	118
100	221 x 125	2.5	3.3	131
120	266 x 149	3.1	4.0	157
150	332 x 187	3.8	4.9	196
180	398 x 224	4.6	5.9	235
200	443 x 249	5.1	6.6	262
250	553 x 311	6.4	8.2	327
300	664 x 374	7.6		392

Zoom Ratio: 1.3 x

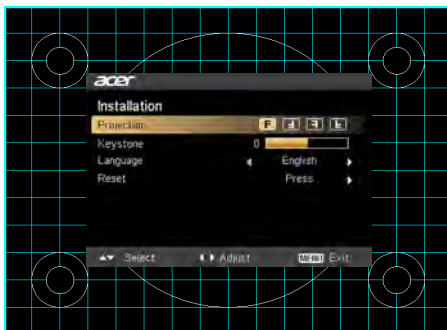
User Controls

Installation Menu

The Installation menu provides an Onscreen Display (OSD) for projector installation and maintenance. Use the OSD only when the message "No signal" is displayed on the screen.

- 1 Turn on the projector by pressing  (POWER) on the control panel or remote control.
- 2 Press "MENU" on the control panel or remote control to launch the OSD for projector installation and maintenance.

(X111/X1140/X111P/H6510BD/P1500)



(X1140A/X1240/X1340W/
P1340W/P1341W/
X1340WH/P1340WG)







- 3 The background pattern acts as a guide to adjusting the calibration and alignment settings, such as screen size and distance, focus and more.
- 4 The Installation menu includes the following options:
 - Projection method
 - Keystone settings
 - Language settings
 - Reset to factory default functions

Use the up and down arrow keys to select an option, the left and right arrow keys to adjust selected option settings, and the right arrow key to enter a submenu for feature setting. The new settings will be saved automatically upon exiting the menu.

- 5 Press "MENU" anytime to exit the menu and return to the Acer welcome screen.

Acer Empowering Technology

Empowering eKey	<p>Acer Empowering Key provides four Acer unique functions: "Acer eView Management", "Acer eTimer Management", "Acer ePower Management" and "Acer e3D Management". Press "e" repeatedly to cycle through these functions.</p>
<p>Acer eView Management (X111/X1140/X1140A/ X111P/X1240)</p>  <p>X1340W/P1340W/ P1341W/X1340WH)</p>  <p>(H6510BD)</p>  <p>(P1500/P1340WG)</p> 	<p>Press "e" to launch "Acer eView Management".</p> <p>"Acer eView Management" is for display mode selection. Please refer to the "Onscreen Display (OSD) Menus" section for more details.</p>

Acer eTimer Management

(X111/X1140/X1140A/
X111P/X1240/P1340W/
P1341W/X1340WH/
H6510BD/P1500)



(P1340WG)



Press "e" to launch "Acer eTimer Management".

"Acer eTimer Management" provides the reminding function for presentation time control. Please refer to the "Onscreen Display (OSD) Menus" section for more details.

Acer ePower Management



Press "e" to launch "Acer ePower Management".

"Acer ePower Management" provides you one shortcut to save the lamp and projector's life. Please refer to the "Onscreen Display (OSD) Menus" section for more details.

Acer e3D Management

(X1111/X1140/X1140A/
X1111P/X1240/X1340W/
P1340W/P1341W/
X1340WH/P1340WG/
P1500)



(H6510BD)










Press "e" to launch "Acer e3D Management".

"Acer e3D Management" provides you one shortcut to adjust 3D settings. Please refer to the "Onscreen Display (OSD) Menus" section for more details.

Onscreen Display (OSD) Menus

The projector has multilingual Onscreen Display (OSD) menus that allow you to make image adjustments and change a variety of settings.

Using the OSD menus

- To open the OSD menu, press "MENU" on the control panel or remote control.
- When the OSD is displayed, use   to select an item in the main menu. After selecting the desired main menu item, press  to enter a submenu for feature setting.
- Use   to select the desired item and adjust the settings by using  .
- Select the next item to be adjusted in the submenu and adjust as described above.
- Press "MENU" on the control panel or remote control, the screen will return to the main menu.
- To exit the OSD menu, press "MENU" on the control panel or remote control again. It will close and the projector will automatically save the new settings.



Color

(X111/X1140/P1340WG)



(H6510BD)



(X1140A/X111P/X1240/X1340W/
P1340W/P1341W/X1340WH/P1500)



Display Mode

There are many factory presets optimized for various types of images.

- Bright: For brightness optimization.
- Presentation (X111/X1140/X1140A/X111P/X1240/X1340W/P1340W/P1341W/X1340WH/P1340WG/P1500): For meeting presentation with higher brightness.
- Standard: For common environment.
- Movie (H6510BD): For brighter and general movie/video/photo playing.
- Dark Cinema (H6510BD): For dark movie content.
- Video (X111/X1140/X1140A/X111P/X1240/X1340W/P1340W/P1341W/X1340WH/P1340WG/P1500): For playing video in a bright environment.
- Picture (X1340W/P1340W/P1341W/X1340WH): For graphic picture.

	<ul style="list-style-type: none"> • Game (X111/X1140/X1140A/X111P/X1240/X1340W/P1340W/P1341W/X1340WH/H6510BD): For game content. • Education (X111/X1140/X1140A/X111P/X1240/X1340W/P1340W/P1341W/X1340WH): For education environment. • Sport (H6510BD): For sport picture. • User: Memorize user's settings.
Wall Color	Use this function to choose a proper color according to the wall. There are several choices, including White, Light Yellow, Light Blue, Pink and Dark Green. It will compensate for the color deviation due to the wall color to show the correct image tone.
Brightness	<p>Adjusts the brightness of the image.</p> <ul style="list-style-type: none"> • Press ◀ to darken the image. • Press ▶ to lighten the image.
Contrast	<p>Controls the degree of difference between the lightest and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image.</p> <ul style="list-style-type: none"> • Press ◀ to decrease the contrast. • Press ▶ to increase the contrast.
Saturation	<p>Adjusts a video image from black and white to fully saturated colors.</p> <ul style="list-style-type: none"> • Press ◀ to decrease the amount of color in the image. • Press ▶ to increase the amount of color in the image.
Tint	<p>Adjusts the color balance of red and green.</p> <ul style="list-style-type: none"> • Press ◀ to increase the amount of green in the image. • Press ▶ to increase the amount of red in the image.
Color Temperature	Adjusts the color temperature. At higher color temperatures, the screen looks colder; at lower color temperatures, the screen looks warmer.
Dynamic Black	If turned on, the projector dynamically adjusts the power consumption of the lamp according to the brightness of the image being projected. When projecting darker images the power consumption will be reduced and the contrast of the image will also be enhanced.

Gamma	Effects the representation of dark scenery. With greater gamma value, dark scenery will look brighter.
Advanced (H6510BD)	<ul style="list-style-type: none"> • Ind. Color Management: Adjusts the red, green, blue, cyan, yellow and magenta colors. • - Ind. Hue: Changes the hue of the color selected. • - Ind. Saturation: Adjusts a video image from black and white to fully saturated color. • - Ind. Gain: Adjusts the contrast levels. • Brilliant Color: Produces an expanded on-screen color spectrum that delivers enhanced color saturation for bright, true-to-life images. This feature is "On" by default. • White Peaking: Increases the brightness of whites that are near 100%. (Video sources only) • Film Mode: Sets the image optimized to 24-frame True Film mode for more realistic cadence of film playback during motion sequences. • Noise Reduction: Adjusts the level of noise reduction that helps to eliminate unwanted noise in the picture. • Black Extension: Analyzes the current input image and calculates an offset value which is then added to the analog to digital converter black level value. This ensures optimum black level for each analog source.



Note: "Saturation", "Tint" and "Advanced" functions are not supported under computer mode.

Image

(X111/X1140/X111P)



(H6510BD/P1500)



(X1140A/X1240/X1340W)














(P1340W/P1341W/X1340WH)



(P1340WG)



Projection (X111/X1140/ X111P/ H6510BD/ P1500)	<ul style="list-style-type: none"> •  Front-Desktop: The factory default setting. •  Front-Ceiling: When you select this function, the projector inverts the image for ceiling-mounted projection. •  Rear-Desktop: When you select this function, the projector reverses the image so that you can project behind a translucent screen. •  Rear-Ceiling: When you select this function, the projector reverses and inverts the image at same time. You can project from behind a translucent screen with ceiling mounted projection.
Projection Mode (X1140A/ X1240/X1340W/ P1340W/ P1341W/ X1340WH/ P1340WG)	<ul style="list-style-type: none"> •  Front: The factory default setting. •  Rear: Reverses the image so you can project from behind a translucent screen.
Projection Location (X1140A/X1240/ X1340W/ P1340W/ P1341W/ X1340WH/ P1340WG)	<ul style="list-style-type: none"> •  Auto: Automatically adjusts projection location of image. •  Desktop •  Ceiling: Turns the image upside down for ceiling-mounted projection.
Aspect Ratio	<p>Use this function to choose your desired aspect ratio.</p> <ul style="list-style-type: none"> • Auto: Keeps the image with original width-height ratio and maximizes the image to fit native horizontal or vertical pixels. • Full (X1340W/P1340W/P1341W/X1340WH/P1340WG/H6510BD/P1500): The image will be displayed making full use of the horizontal and vertical pixels. • 4:3: The image will be scaled to fit the screen and displayed using a 4:3 ratio. • 16:9: The image will be scaled to fit the screen and displayed using a 16:9 ratio. • L.Box (X1340W/P1340W/P1341W/X1340WH/P1340WG/H6510BD/P1500): Keeps the original signal aspect ratio and zooms in by 1.333 times.

Auto Keystone (X1140A/X1240/ X1340W/ P1340W/ P1341W/ X1340WH/ P1340WG)	Automatically adjusts image distortion caused by tilting projection (± 40 degrees).
Keystone (X111/ X1140/X111P/ H6510BD/ P1500)	Manually adjusts image distortion caused by tilting projection (± 40 degrees).
Manual Keystone (X1140A/X1240/ X1340W/ P1340W/ P1341W/ X1340WH/ P1340WG)	  <p>.....</p> <p>This function is unavailable when Auto Keystone is set to "On".</p>
Sharpness	Adjusts the sharpness of the image. <ul style="list-style-type: none"> Press ◀ to decrease the sharpness. Press ▶ to increase the sharpness.
H. Position (Horizontal Position)	<ul style="list-style-type: none"> Press ◀ to move the image left. Press ▶ to move the image right.
V. Position (Vertical Position)	<ul style="list-style-type: none"> Press ◀ to move the image down. Press ▶ to move the image up.
Frequency	Changes the projector's refresh rate to match the frequency of your computer's graphics card. If you experience a vertical flickering bar in the projected image, use this function to correct it.
Tracking	Synchronizes the signal timing of the display with the graphics card. If you experience an unstable or flickering image, use this function to correct it.

HDMI Color Range (P1340W/ P1341W/ X1340WH/ P1340WG/ H6510BD/ P1500)	Adjusts the color range of the HDMI image data to prevent color display error. <ul style="list-style-type: none"> • Auto: Automatically adjusts the color range by information from the player. • Limited Range: Processes the input image as limited color range data. • Full Range: Processes the input image as full color range data.
HDMI Scan Info (P1340W/ P1341W/ X1340WH/ P1340WG/ H6510BD/ P1500)	Adjusts the overscan ratio of the HDMI image on screen. <ul style="list-style-type: none"> • Auto: Automatically adjusts the overscan ratio by information from the player. • Underscan: Always no overscan on the HDMI image. • Overscan: Always keep overscan on the HDMI image.



.....

Note: "H. Position", "V. Position", "Frequency" and "Tracking" functions are not supported under video mode.

Note: "Sharpness" function is not supported under computer mode.

Note: "HDMI Color Range" and "HDMI Scan Info" are only available when the input signal is HDMI.

Setting

(X111/X1140)



(X1140A/X111P/X1240/X1340W)



(P1340W/P1341W/X1340WH/
H6510BD/P1500)




(P1340WG)








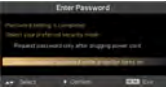






Startup Screen
(P1340W/
P1341W/
X1340WH/
P1340WG/
H6510BD/
P1500)

Use this function to select your desired startup screen. If you change the setting, it will take effect when you exit the OSD menu.

- Acer: The default startup screen of your Acer projector.
- User: Use the memorized picture from the "Screen Capture" function.

Screen Capture (P1340W/ P1341W/ X1340WH/ P1340WG/ H6510BD/ P1500)	<p>Use this function to customize the startup screen. To capture the image that you want to use as the startup screen, follow the instructions below.</p> <p>Notice</p> <p>Before proceeding with the following steps, make sure that the "Keystone" is set to the default value "0", and the "Aspect Ratio" is set to "4:3". For details, refer to the "Image" section.</p> <ul style="list-style-type: none"> • Change the "Startup Screen" from the default setting "Acer" to "User". • Select "Screen Capture" to customize the startup screen. • A dialog box appears to confirm the action. Choose "Yes" to use the current image as your customized startup screen. Choose "No" to cancel the screen capture and exist the Onscreen Display (OSD). • A message appears stating that the screen capture is in progress. • When the screen capture is finished, the message disappears and the original display is shown.
Closed Caption	<p>Selects a preferred closed captioning mode from CC1, CC2, CC3, CC4 (CC1 displays captions in the primary language in your area). Select "Off" to turn off the captioning feature. This function is only available when a composite video or S-Video input signal is selected and its system format is NTSC.</p>
VGA OUT (Standby) (X1140A/X111P/ X1240/X1340W/ P1340W/ P1341W/ X1340WH/ P1340WG/ H6510BD/ P1500)	<p>Selecting "On" enables the function. The projector can output a VGA signal when it is in standby mode and the VGA IN (or VGA IN 1) and VGA OUT sockets are correctly connected to the devices.</p> <div data-bbox="365 965 420 1021"> </div> <p>.....</p> <p>Enabling this function slightly increases the standby power consumption.</p>
Reset	<p>Press  after choosing "Yes" to return the display parameters on all menus to the factory default settings.</p>

<p>Security X111/X1140/ X1140A/X111P/ X1240/X1340W</p>  <p>P1340W/P1341W/ X1340WH/ P1340WG/ H6510BD/P1500</p> 	<p>Security This projector provides a useful security function for the administrator to manage the projector.</p> <p>Press  to change the "Security" setting. If the security function is enabled, you must enter "Administrator Password" first before changing the security setting.</p> <p> The factory default of "Administrator Password" is "1234".</p> <ul style="list-style-type: none"> • Select "On" to enable the security function. You have to enter password depending on the "Security Mode". Please refer to "User Password" section for details. • If "Off" is selected, you can switch on the projector without password. <p>Timeout (Min.) Once "Security" is set to "On", you can set timeout function.</p> <ul style="list-style-type: none"> • Press   to select timeout duration. • The range is from 10 to 990 minutes. • When time is up, the projector will request you to enter the password again. • The factory default setting of "Timeout (Min.)" is "Off". • Once the security function is enabled, the projector will request you to enter password when switching on the projector. Both "User Password" and "Administrator Password" can be accepted for this dialogue.
 	<p>User Password</p> <ul style="list-style-type: none"> • Press  to set up or change "User Password". • Use the numerical keys on the remote control to set the password and press "MENU" to confirm. • To delete the digits, Press . • Enter the password again when you see "Confirm Password" displayed. • The password should be 4~8 digits in length. • If you select "Request password only after plugging power cord", you are requested to input the password every time the power cord is plugged. • If you select "Always request password while projector turns on", you are requested to input the password every time the projector is turned on.

	<p>Administrator Password</p> <p>You can enter "Administrator Password" when the "Enter Administrator Password" or "Enter Password" dialogue box displays.</p> <ul style="list-style-type: none">• Press  to change "Administrator Password".• The factory default of "Administrator Password" is "1234". <p>If you forget your administrator password, do the following to retrieve the administrator password:</p> <ul style="list-style-type: none">• Enter the unique 6-digit "Universal Password" which is printed on the Security Card that came with your projector. This unique password will be accepted by the projector no matter what the administrator password is.• If the Security Card is lost, please contact your local Acer service center.
	<p>Lock User Startup Screen (P1340W/P1341W/X1340WH/P1340WG/H6510BD/P1500)</p> <p>This function is set to "OFF" by default. If set to "ON", the startup screen is locked and cannot be changed by the "Startup Screen" and "Screen Capture" functions.</p>


Management

(X111/X1140/P1340WG)



(X1140A/X111P/X1240/X1340W/
P1340W/P1341W/X1340WH/
H6510BD/P1500)



ECO Mode	Choose "On" to dim the projector lamp, which will also lower the power consumption, reduce noise, and extend the lamp life. Choose "Off" to return to the normal mode.
High Altitude	Choose "On" to turn on the High Altitude mode. When this function is turned on, the projector fans operate at full speed continuously to cool down the projector's temperature.
Turn Off Mode	<ul style="list-style-type: none"> Instant Off: Enables you to turn off the projector immediately without fan cooling process by pressing the power button twice. Instant Resume: Enables you to restart the projector immediately within 2 minutes after turning it off.
Auto Shutdown (Minutes)	The projector will automatically shut down while there is no signal input detected after the time you set.
Lamp Hour Elapse	Displays the lamp's elapsed operating time (in hours).
Lamp Reminding	Choose this function to show or hide warning message when the changing lamp message is displayed. The message will show up 30 hours before end of life.
Lamp Hour Reset	Press  after choosing "Yes" to reset the lamp hour counter to 0 hours.

Audio (X1140A/X111P/X1240/X1340W/ P1340W/P1341W/X1340WH/H6510BD/P1500)

(X1140A/X111P/X1240/X1340W)



(P1340W/P1341W/X1340WH)



(H6510BD/P1500)




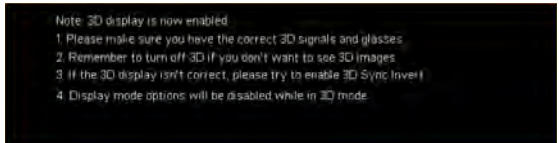
Volume	<ul style="list-style-type: none">Press ◀ to decrease the volume.Press ▶ to increase the volume.
Mute	<ul style="list-style-type: none">Choose "On" to turn mute on.Choose "Off" to turn mute off.
Power On/Off Volume (H6510BD/ P1500)	Select this function to adjust the notification volume when turning the projector on/off.
Alarm Volume (P1340W/P1341W/ X1340WH/ H6510BD/P1500)	Select this function to adjust the volume of any warning notifications.

3D

(X1111/X1140/P1340WG)

(X1140A/X111P/X1240/X1340W/
P1340W/P1341W/X1340WH/P1500) (H6510BD)

3D	<p>Selects "On" to enable the 3D function supported by DLP 3D technology.</p> <ul style="list-style-type: none"> On: Select this item while using DLP 3D glasses, quad buffer (NVIDIA/ATI...) graphics card and HQFS format file or DVD with corresponding SW player. Off: Turns off the 3D mode.
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2D to 3D (H6510BD)	<ul style="list-style-type: none"> • 2D to 3D: Converts 2D contents to 3D. Note that DLP 3D glasses are required to obtain the best 3D effect. • Mode: Provides several preset 2D to 3D conversion modes for your selection. You can also select User and use the "Convergence" and "Depth" functions described below to setup your customized conversion mode. • Convergence: Changes the convergence effect that is used when converting 2D contents to 3D. • Depth: Adjusts the image depth of 3D objects.  <p>"Depth" and "Convergence" are only available when "Mode" is set to "User".</p>
3D Format	<p>If the 3D content is not displayed correctly, you can select a 3D format that suits the 3D content you are viewing and obtain the best result.</p>
3D Sync Invert	<p>If you see a discrete or overlapping image while wearing DLP 3D glasses, you may need to execute "Invert" to get best match of left/right image sequence to get the correct image (for DLP 3D).</p>
3D Warning Message	<p>Choose "On" to display the 3D warning message.</p> 



Note: Supported 3D signal timings:

Signal source type	Supported timing
Video/S-Video/Component video	HQFS 3D (480i@60Hz), 576i@50Hz
VGA/HDMI (PC mode)	640 x 480@50/60/100/120Hz 800 x 600@50/60/100/120Hz 1024 x 768@50/60/100/120Hz 1280 x 800@50/60/100/120Hz
HDMI (for P1340W/P1341W/X1340WH/P1340WG/H6510BD/P1500)	HQFS 3D (480i@60Hz), 576i@50Hz, Frame Packing (1080p@23.98/24Hz, 720p@50/60Hz) Side-by-Side Horizontal (1080i@50/60Hz, 1080p@50/60Hz) Top-and-Bottom (720p@50/60Hz, 1080p@23.97/24Hz, 1080p@50/60Hz)

It needs correct settings on graphics card 3D application program for correct 3D display.

The SW players, such as Stereoscopic Player and DDD TriDef Media Player can support 3D format files. You can download these players on the web page below.

- Stereoscopic Player (Trial): http://www.3dtv.at/Downloads/Index_en.aspx
- DDD TriDef Media Player (Trial): <http://www.tridef.com/download/TriDef-3-D-Experience-4.0.2.html>

Note: "3D Sync Invert" and "3D Format" are only available when "3D" is enabled and "2D to 3D" is disabled.

Note: "2D to 3D" is only available through HDMI port.

Language



(X111/X1140/P1340WG)



(X1140A/X111P/X1240/X1340W/
P1340W/P1341W/X1340WH/
H6510BD/P1500)



Language

Sets a language for the OSD menus. Use   to select your preferred language.

Appendices

Troubleshooting

If you experience a problem with your Acer projector, refer to the following troubleshooting guide. If the problem persists, please contact your local reseller or service center.

Image Problems and Solutions

#	Problem	Solution
1	No image appears onscreen	<ul style="list-style-type: none"> • Make sure all the cables are correctly connected as described in the "Getting Started" section. • Ensure none of the connector pins are bent or broken. • Check if the projection lamp has been securely installed. Please refer to the "Replacing the Lamp" section. • Make sure the projector is switched on.
2	Partial, scrolling or incorrectly displayed image (For PC (Windows 95/98/2000/XP/Win7/Vista))	<ul style="list-style-type: none"> • Press "RESYNC" on the control panel or remote control. • For an incorrectly displayed image: <ul style="list-style-type: none"> • Open "My Computer > Control Panel," and then double-click the "Display" icon. • Select the "Settings" tab. • Verify that your display resolution setting is lower than or equal to 1600 x 1200 or 1920 x 1080. • Click the "Advanced Properties" button. <p>If the problem still appears, change the monitor display you are using and follow the steps below:</p> <ul style="list-style-type: none"> • Verify that the resolution setting is lower than or equal to 1600 x 1200 or 1920 x 1080. • Click the "Change" button under the "Monitor" tab. • Click "Show all devices > Standard monitor types" under the SP box, and choose the resolution mode you need under the "Models" box. • Verify that the resolution setting of the monitor display is lower than or equal to 1600 x 1200 or 1920 x 1080.

3	Partial, scrolling or incorrectly displayed image (For notebooks)	<ul style="list-style-type: none"> Press "RESYNC" on the control panel or remote control. For an incorrectly displayed image: <ul style="list-style-type: none"> Follow the steps for item 2 (above) to adjust the resolution of your computer. Press the toggle output settings. Example: [Fn]+[F4], Compaq [Fn]+[F4], Dell [Fn]+[F8], Gateway [Fn]+[F4], IBM [Fn]+[F7], HP [Fn]+[F4], NEC [Fn]+[F3], Toshiba [Fn]+[F5] If you experience difficulty changing resolutions or your monitor freezes, restart all equipment including the projector.
4	The screen of the notebook computer is not displaying your presentation	<ul style="list-style-type: none"> If you are using a Microsoft® Windows® based notebook: Some notebook PCs may deactivate their own screens when a second display device is in use. Each has a different way to be reactivated. Refer to your computer's manual for detailed information. If you are using an Apple® Mac® OS based notebook: In System Preferences, open Display and select Video Mirroring "On."
5	Image is unstable or flickering	<ul style="list-style-type: none"> Use "Tracking" to correct it. Refer to the "Image" section for more information. Change the display color setting on your computer.
6	Image has vertical flickering bar	<ul style="list-style-type: none"> Use "Frequency" to make an adjustment. Refer to the "Image" section for more information. Check and reconfigure the display mode of your graphics card to make it compatible with the projector.
7	Image is out of focus	<ul style="list-style-type: none"> Adjust the focus ring on the projector lens. Make sure the projection screen is within the required distance: 4.9 to 19.7 feet (1.5 to 6 meters) Refer to the "How to Get a Preferred Image Size by Adjusting Distance and Zoom" section for more information.
8	Image is stretched when displaying a "widescreen" DVD title	<p>When you play a DVD encoded in anamorphic or 16:9 aspect ratio you may need to adjust the following settings:</p> <ul style="list-style-type: none"> If you play a 4:3 format DVD title, please change the format to 4:3 with the projector OSD. If the image is still stretched, you will also need to adjust the aspect ratio. Set up the display format to 16:9 (wide) aspect ratio on your DVD player.

9	Image is too small or too large	<ul style="list-style-type: none"> Adjust the zoom lever on the top of the projector. Move the projector closer to or further from the screen. Press "MENU" on the control panel or remote control. Go to "Image" > "Aspect Ratio" and try different settings.
10	Image has slanted sides	<ul style="list-style-type: none"> If possible, reposition the projector so that it is centered on the screen and below the bottom of the screen. Press the Keystone correction keys on the control panel or remote control until the image becomes square. Press "MENU" on the control panel or remote control to open the OSD menu. Go to "Image" > "Auto Keystone (X1140A/X1240/X1340W/P1340W/P1341W/X1340WH/P1340WG)" or "Image" > "Keystone (X111/X1140/X111P/H6510BD/P1500)" to make adjustments.
11	Image is reversed	<ul style="list-style-type: none"> Select "Image" > "Projection Mode (X1140A/X1240/X1340W/P1340W/P1341W/X1340WH/P1340WG)", "Image" > "Projection Location (X1140A/X1240/X1340W/P1340W/P1341W/X1340WH/P1340WG)" on the OSD and adjust the projection direction.

Problems with the Projector

#	Condition	Solution
1	The projector stops responding to all controls	If possible, turn off the projector, then unplug the power cord and wait at least 30 seconds before reconnecting power.
2	Lamp burns out or makes a popping sound	When the lamp reaches the end of its useful life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn on until the lamp module has been replaced. To replace the lamp, follow the procedures in the "Replacing the Lamp" section.

OSD Messages

#	Condition	Message Reminder
1	Message	<p>Fan Fail - the system fan is not working.</p> <div> <p>Fan Fail.</p> <p>Lamp will automatically turn off soon.</p> </div> <p>Projector Overheated - the projector has exceeded its recommended operating temperature and must be allowed to cool down before it is used. Please also check the dust filters if they are installed. If the dust filter is clogged with dust, please clean it.</p> <div> <p>Projector Overheated.</p> <p>Lamp will automatically turn off soon.</p> </div> <p>Replace the lamp - the lamp is about to reach its maximum lifetime. Prepare to replace it soon.</p> <div> <p>Lamp is approaching the end of its useful life in full power operation.</p> <p>Replacement suggested!</p> </div>

LED & Alarm Definition Listing

LED Messages

Message	Power LED		LAMP LED	TEMP LED
	Red	Blue	Red	Red
Standby (Power cord plugged in)	V	--	--	--
Power on	--	V	--	--
Lamp retry	--	Quick flashing	--	--
Turning off (Cooling state)	Quick flashing	--	--	--
Turning off (Cooling completed)	V	--	--	--
Error (Thermal failure)	--	V	--	V
Error (Fan lock failure)	--	V	--	Quick flashing
Error (Lamp breakdown)	--	V	V	--
Error (Color wheel failure)	--	V	Quick flashing	--

Replacing the Lamp

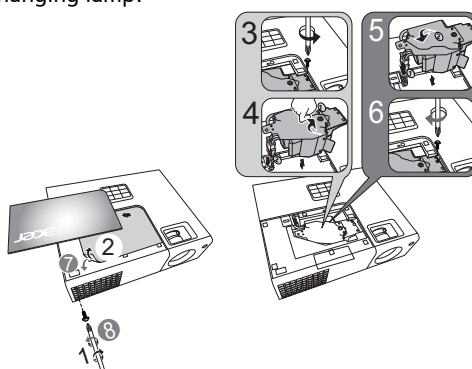
Use a screwdriver to remove the screw(s) from the cover, and then pull out the lamp.

The projector will detect the lamp life itself. It will show you a warning message **"Lamp is approaching the end of its useful life in full power operation."**


Replacement Suggested! When you see this message, change the lamp as soon as possible. Make sure the projector has been cooled down for at least 45 minutes before changing the lamp.



Warning: Lamp compartment is hot! Allow it to cool down before changing lamp!



To remove the lamp:

Turn the projector off by pressing  (POWER). Allow the projector at least 45 minutes to cool down. Disconnect the power cord.

- 1 Use a screwdriver to remove the screw from the cover. (Illustration #1)
- 2 Push up and remove the cover. (Illustration #2).
- 3 Remove the lamp protection film (Illustration #2).
- 4 Remove the screw that secures the lamp module (Illustration #3).
- 5 Disconnect the lamp connector from the projector. Lift the handle so that it stands up. Pull out the lamp module by force (Illustration #4).

To replace the lamp module, use a new lamp and reverse the above steps (Illustrations #5 - #8).

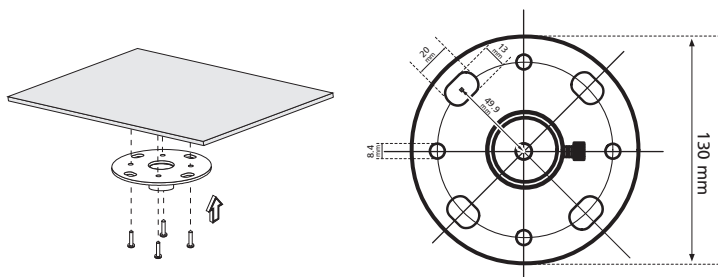


Warning: To reduce the risk of personal injury, do not drop the lamp module or touch the lamp bulb. The bulb may shatter and cause injury if it is dropped.

Ceiling Mount Installation

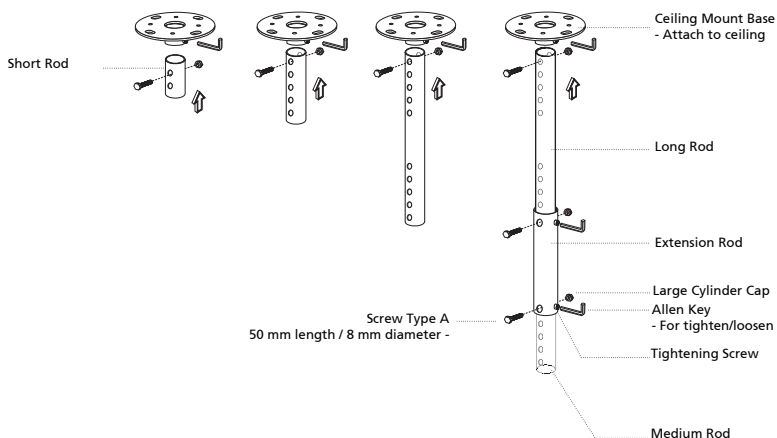
If you wish to install the projector using a ceiling mount, please refer to the steps below:

- 1 Drill four holes into a solid, structurally sound part of the ceiling, and secure the mount base.

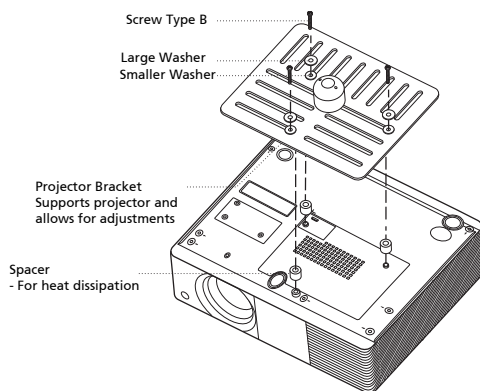


Note: Screws are not included. Please obtain the appropriate screws for your type of ceiling.

- 2 Secure the ceiling rod using the appropriate type of cylinder screws.

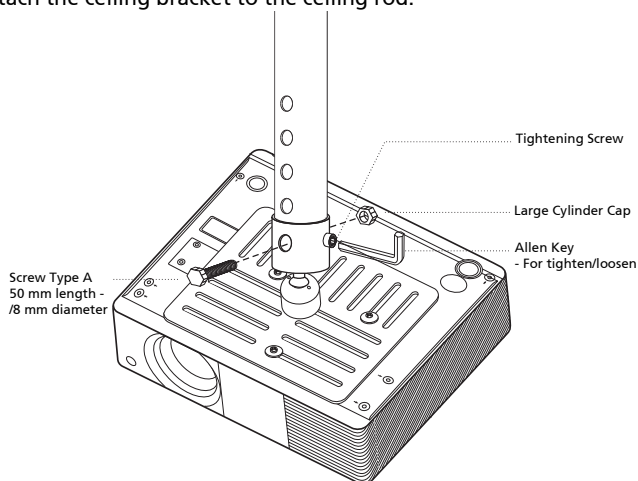


- 3 Use the appropriate number of screws for the projector size to attach the projector to the ceiling mount bracket.

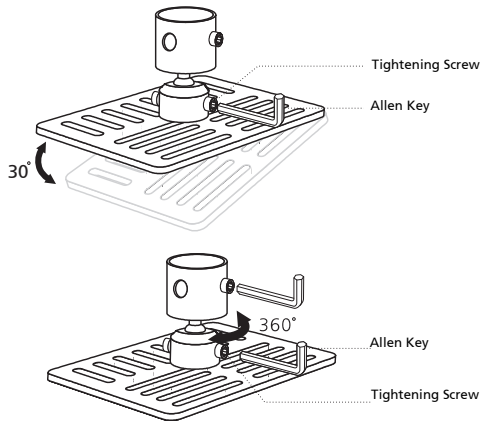


Note: It is recommended that you keep a reasonable space between the bracket and the projector to allow for proper heat distribution. Use two washers for extra support, if deemed necessary.

- 4 Attach the ceiling bracket to the ceiling rod.

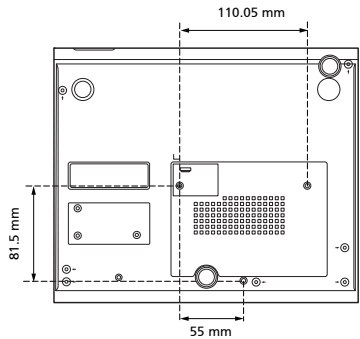


5 Adjust the angle and positioning as necessary.



Note: The appropriate type of screw and washer for each model is listed in the table below. 3 mm diameter screws are enclosed in the screw pack.

Models	Screw Type B		Washer Type	
	Diameter (mm)	Length (mm)	Large	Small
X111/X1140/X1140A/ X111P/X1240/X1340W/ P1340W/P1341W/ X1340WH/P1340WG/ H6510BD/P1500	3	25	V	V



Specifications

The specifications below are subject to change without notice. For final specs, please refer to Acer's marketing documentation.

Projection system	DLP™
Resolution	<ul style="list-style-type: none"> X111/X1140/X1140A/X111P: Native: SVGA (800 x 600) Maximum: UXGA (1600 x 1200), 1080p (1920 x 1080) X1240: Native: XGA (1024 x 768) Maximum: UXGA (1600 x 1200), 1080p (1920 x 1080) X1340W/P1340W/P1341W/X1340WH/P1340WG: Native: WXGA (1280 x 800) Maximum: UXGA (1600 x 1200), 1080p (1920 x 1080), WUXGA (1920 x 1200) (supports reduce blanking only) H6510BD/P1500: Native: 1080p (1920 x 1080) Maximum: WUXGA (1920 x 1200) (supports reduce blanking only)
Computer compatibility	Refer to the "Compatibility Modes" section for more information.
Video compatibility	NTSC (3.58/4.43), PAL (M/N), PAL 60, SECAM, HDTV (720p, 1080i, 1080p), EDTV (480p, 576p), SDTV (480i, 576i)
Aspect ratio	<ul style="list-style-type: none"> X111/X1140/X1140A/X111P/X1240: Auto, 4:3 (native), 16:9 X1340W/P1340W/P1341W/X1340WH/P1340WG/H6510BD/P1500: Auto, 4:3, 16:9, Full, Letter Box
Displayable colors	1.07 billion colors
Projection lens	<ul style="list-style-type: none"> X111/X1140/X1140A/X111P/X1240/X1340W/P1340W/P1341W/X1340WH/P1340WG: F = 2.56 - 2.8, f = 21.00 mm - 23.00 mm, 1:1.1 Manual Zoom and Manual Focus H6510BD/P1500: F = 2.59 - 2.87, f = 16.88 mm - 21.88 mm, 1:1.3 Manual Zoom and Manual Focus
Projection screen size (diagonal) with clear focus	<ul style="list-style-type: none"> X111/X1140/X1140A/X111P/X1240: 38" (96 cm) - 196" (497 cm) X1340W/P1340W/P1341W/X1340WH/P1340WG: 44" (111 cm) - 230" (584 cm) H6510BD/P1500: 45" (115 cm) - 300" (762 cm)
Projection distance with clear focus	4.9' (1.5 m) - 19.7' (6 m)

Throw ratio	<ul style="list-style-type: none"> X111/X1140/X1140A/X111P/X1240: 53"±3% @ 2 m (1.86 - 2.04 : 1) X1340W/P1340W/P1341W/X1340WH/P1340WG: 63"±3% @ 2 m (1.5 - 1.65 : 1) H6510BD/P1500: 78.3"±3% @ 2 m (1.15 - 1.5 : 1)
Horizontal scan rate	31 - 99 KHz
Vertical refresh scan rate	23 - 120 Hz
Keystone correction	+/-40 Degrees (Vertical), Manual & Auto
Digital zoom	2 X
Audio	X1140A/X111P/X1240/X1340W/P1340W/P1341W/ X1340WH/H6510BD/P1500: 2W x 1
Weight	Approximate 2.0 kg (4.41 lbs.)
Dimensions (W x D x H)	264 x 220 x 78.4 mm (10.4" x 8.7" x 3.1")
Power supply	Universal AC input 100 - 240 V, input frequency 50/60 Hz
Power consumption (typical)	<ul style="list-style-type: none"> X111/X1140/X1140A/X111P/X1240/X1340W/ P1340W/P1341W/X1340WH/P1340WG: 240 W H6510BD/P1500: 270 W
Operating temperature	0°C to 40°C / 32°F to 104°F
I/O connectors	<p>X111/X1140:</p> <ul style="list-style-type: none"> Power socket x 1 USB x 1 (Type mini B) VGA input x 1 Composite video x 1 S-Video x 1 RS232 x 1 <p>X1140A/X111P/X1240/X1340W:</p> <ul style="list-style-type: none"> Power socket x 1 USB x 1 (Type mini B) VGA input x 2 VGA output x 1 Composite video x 1 S-Video x 1 RS232 x 1 3.5 mm audio jack input x 1 3.5 mm audio jack output x 1 <p>P1340W/P1341W/X1340WH:</p> <ul style="list-style-type: none"> Power socket x 1 USB x 1 (Type mini B) VGA input x 2 VGA output x 1 Composite video x 1 S-Video x 1 RS232 x 1 3.5 mm audio jack input x 1 3.5 mm audio jack output x 1 HDMI v1.4 input x 1

P1340WG:

- Power socket x 1
- USB x 1 (Type mini B)
- VGA input x 1
- VGA output x 1
- Composite video x 1
- S-Video x 1
- RS232 x 1
- HDMI v1.4 input x 1

H6510BD:

- Power socket x 1
- USB x 1 (Type mini B)
- VGA input x 1
- Composite video x 1
- S-Video x 1
- RS232 x 1
- 3.5 mm audio jack input x 1
- 3.5 mm audio jack output x 1
- VGA output x 1
- HDMI v1.4 input x 2
- Component video input x 1

P1500:

- Power socket x 1
- USB x 1 (Type mini B)
- VGA input x 1
- Composite video x 1
- S-Video x 1
- RS232 x 1
- 3.5 mm audio jack input x 1
- 3.5 mm audio jack output x 1
- VGA output x 1
- HDMI v1.4 input x 1

Standard package contents	<ul style="list-style-type: none"> • AC power cord x 1 • VGA cable x 1 • Remote control x 1 • Battery x 2 (for the remote control) • User's guide (CD-ROM) x 1 • Quick start guide x 1 • Security card x 1
Accessory (optional)	<ul style="list-style-type: none"> • Composite video cable x 1 • Carrying case x 1 • Dust filter x 1

* Design and specifications are subject to change without notice.

Compatibility Modes

1 VGA Analog - PC Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
VGA	640 x 480	60	31.47
		72	37.86
		75	37.50
		85	43.27
		120	61.91
SVGA	800 x 600	56	35.20
		60	37.88
		72	48.08
		75	46.88
		85	53.67
		120	77.43
XGA	1024 x 768	60	48.36
		70	56.48
		75	60.02
		85	68.68
		120	98.96
SXGA	1152 x 864	70	63.85
		75	67.50
		85	77.10
	1280 x 1024	60	63.98
		72	76.97
		75	79.98
		85	91.15
QuadVGA	1280 x 960	60	60.00
	1280 x 960	75	75.00
SXGA+	1400 x 1050	60	65.32
UXGA	1600 x 1200	60	75.00
PowerBook G4	640 x 480	60	31.50
	640 x 480	66.6 (67)	35.00
	800 x 600	60	37.88
	1024 x 768	60	48.36
	1024 x 768	75	60.241
	1152 x 870	75	68.681

WXGA	1280 x 768	60	47.78
	1280 x 768	75	60.29
	1280 x 768	85	68.63
	1280 x 720	60	45.00
	1280 x 800	60	49.70
	1280 x 800 - RB	120	101.6
	1440 x 900	60	55.94
	1680 x 1050	60	65.29
	1366 x 768	60	47.71
	1920 x 1080-RB	60	66.60
	1920 x 1080-EIA	60	67.50
	1024 x 600	60	37.50
	1920 x 1200-RB	59.95	74.04

2 HDMI - PC Signal (For P1340W/P1341W/X1340WH/P1340WG/ H6510BD/P1500)

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
VGA_60	640 x 480	59.94	31.469
VGA_72		72.809	37.861
VGA_75		75	37.5
VGA_85		85.008	43.269
VGA_120		119.518	61.91
SVGA_56	800 x 600	56.25	35.156
SVGA_60		60.317	37.879
SVGA_72		72.188	48.077
SVGA_75		75	46.875
SVGA_85		85.061	53.674
SVGA_120		119.854	77.425
XGA_60	1024 x 768	60.004	48.363
XGA_70		70.069	56.476
XGA_75		75.029	60.023
XGA_120		119.804	98.958
SXGA_75	1152 x 864	75	67.5
SXGA_85		84.99	77.094
SXGA_60	1280 x 1024	60.02	63.981
SXGA_72		72	76.97
SXGA_75		75.025	79.976
SXGA_85		85.024	91.146

QuadVGA_75	1280 x 960	75	75
SXGA+_60	1400 x 1050	59.978	65.317
UXGA_60	1600 x 1200	60	75
Mac G4	640 x 480@60Hz	59.94	31.469
MAC13	640 x 480@67Hz	66.667	35
Mac G4	800 x 600@60Hz	60.317	37.879
Mac G4	1024 x 768@60Hz	60.004	48.363
MAC19	1024 x 768@75Hz	75.02	60.241
MAC21	1152 x 870@75Hz	75.061	68.681
WXGA_60	1280 x 768	59.87	47.776
WXGA_75		74.893	60.289
WXGA_85		84.837	68.633
WXGA_60	1280 x 720	60	45
WXGA_60	1280 x 800	59.81	49.702
WXGA_120	1280 x 800	119.909	101.563
WXGA+_60	1440 x 900	59.887	55.935
1680x1050_60	1680 x 1050	59.954	65.29
acer_16:9	1366 x 768	59.79	47.712
1920 x 1080_RB	1920 x 1080	60	66.587
1920 x 1080_EIA	1920 x 1080	60	67.5
acer_timing	1024 x 600	60	37.5
1920 x 1200-RB	1920 x 1200	59.95	74.038

3 HDMI - Video Signal (For P1340W/P1341W/X1340WH/P1340WG/H6510BD/P1500)

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
480i	720 x 480 (1440 x 480)	60	15.73
480p	720 x 480	60	31.47
576i	720 x 576 (1440 x 576)	50	15.63
576p	720 x 576	50	31.25
720p	1280 x 720	60	45.00
720p	1280 x 720	50	37.50
1080i	1920 x 1080	60	33.75
1080i	1920 x 1080	50	28.13
1080p	1920 x 1080	60	67.50
1080p	1920 x 1080	50	56.26
1080p	1920 x 1080	24	27.00
1080p	1920 x 1080	23.98	26.97

4 YPbPr Signal

Mode	Resolution	V.Frequency [Hz]	H.Frequency [KHz]
480i	720 x 480	59.94	15.73
480p	720 x 480	59.94	31.47
576i	720 x 576	50.00	15.63
576p	720 x 576	50.00	31.25
720p	1280 x 720	60.00	45.00
720p	1280 x 720	50.00	37.50
1080i	1920 x 1080	60.00	33.75
1080i	1920 x 1080	50.00	28.13
1080p	1920 x 1080	60.00	67.5
1080p	1920 x 1080	50.00	56.26
1080p	1920 x 1080	24.00	27.00
1080p	1920 x 1080	23.98	26.97

5 Video, S-Video Signal

Mode	V.Frequency [Hz]	H.Frequency [KHz]	fsc (MHz)
NTSC	15.73	60	3.58
PAL	15.63	50	4.43
SECAM	15.63	50	4.25 or 4.41
PAL-M	15.73	60	3.58
PAL-N	15.63	50	3.58
PAL-60	15.73	60	4.43
NTSC4.43	15.73	60	4.43

Regulations and safety notices

FCC notice

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this device.

Operation conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus complies with Canadian ICES-003.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Declaration of Conformity for EU countries

Acer hereby, declares that this projector series is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Compliant with Russian regulatory certification



ME61



UA.TR.002

Radio device regulatory notice



Note: The regulatory information below is for models with wireless LAN and/or Bluetooth only.

General

This product complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. Depending on configurations, this product may or may not contain wireless radio devices (such as wireless LAN and/or Bluetooth modules).

Canada — Low-power license-exempt radio communication devices (RSS-210)

- a Common information
 - Operation is subject to the following two conditions:
 1. This device may not cause interference, and
 2. This device must accept any interference, including interference that may cause undesired operation of the device.
- b Operation in 2.4 GHz band
 - To prevent radio interference to the licensed service, this device is intended to be operated indoors and installation outdoors is subject to licensing.

List of applicable countries

This device must be used in strict accordance with the regulations and constraints in the country of use. For further information, please contact a local office in the country of use. Please see <http://ec.europa.eu/enterprise/rte/implem.htm> for the latest country list.



Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd., Xizhi
New Taipei City 221, Taiwan

Declaration of Conformity

We,

Acer Incorporated

8F, 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 221, Taiwan
Contact Person: Mr. RU Jan, e-mail: ru_jan@acer.com.tw

And,

Acer Italy s.r.l

Via Lepetit, 40, 20020 Lainate (MI) Italy
Tel: +39-02-939-921, Fax: +39-02 9399-2913
www.acer.it

Declare under our own responsibility that the product:

Product:	Projector
Trade Name:	Acer
Model Number:	X111/X1140/D200/EV-S50/QSV1106/ X1140A/X111P/D200P/EV-S50T/QSV1107/ X1240/D210/EV-X50/QNX1108/X1340W/D220/EV-W50/QWX1109/ P1340W/P1341W/M320P/PE-W30/QWX1110/X1340WH/D220D/EV-W50H/ P1340WG/M320PF/PE-W30L/H6510BD/E141D/HE-803J/H1P1117/ P1500/M342/PE-833/Q1P1301 series

To which this declaration refers conforms to the relevant standard or other standardizing documents:

- EN 55022:2006/A1:2007 Class B; EN 55024:2010
- EN 61000-3-2:2006+A1:2009+A2:2009 Class A; EN61000-3-3:2008
- EN 60950-1:2006+A11:2009+A1:2010+A12:2011
- EN 50581:2012

We hereby declare above product is in compliance with the essential requirements and other relevant provisions of EMC Directive 2004/108/EC, Low Voltage Directive 2006/95/EC, RoHS Directive 2011/65/EU and Directive 2009/125/EC with regard to establishing a framework for the setting of ecodesign requirements for energy-related product.

Year to begin affixing CE marking 2013.

RU Jan/Sr. Manager
Regulation Center, Acer Inc.

Feb. 05, 2013 -
Date


Acer America Corporation

333 West San Carlos St.,

Suite 1500

San Jose, CA 95110

U. S. A.

Tel: 254-298-4000

Fax: 254-298-4147

www.acer.com


Federal Communications Commission Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The following local Manufacturer /Importer is responsible for this declaration:

Product:	DLP Projector
Model Number:	QSV1106/QSV1107/QNX1108/ QWX1109/QWX1110/H1P1117/ Q1P1301 series
Name of Responsible Party:	Acer America Corporation
Address of Responsible Party:	333 West San Carlos St. Suite 1500 San Jose, CA 95110 U. S. A.
Contact Person:	Acer Representative
Phone No.:	254-298-4000
Fax No.:	254-298-4147