# Acer Projector

## H6820M/V6820M/E8620/E8620C/ET-4K17/ HT-4K17/GM836/HV836/VH-737/TH-737/ H6820i/V6820i/D4K1736/D4K1731

## User's Guide

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Record the model number, serial number, purchase date and place of purchase information in the space provided below. The serial number and model number are recorded on the label affixed to your projector. All correspondence concerning your unit should include the serial number, model number and purchase information.

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Model number: _____

Serial number: _____

Date of purchase: _____

Place of purchase: _____

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

# Information for your safety and comfort

Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions marked on the product.

## Turning the product off before cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

## Caution for plug as disconnecting device

Observe the following guidelines when connecting and disconnecting power to the external power supply unit:

- Install the power supply unit before connecting the power cord to the AC power outlet.
- Unplug the power cord before removing the power supply unit from the projector.
- If the system has multiple sources of power, disconnect power from the system by unplugging all power cords from the power supplies.

## Caution for Accessibility

Be sure that the power outlet you plug the power cord into is easily accessible and located as close to the equipment operator as possible. When you need to disconnect power to the equipment, be sure to unplug the power cord from the electrical outlet.

**Warnings!**

- Do not use this product near water.
- Do not place this product on an unstable cart, stand or table. If the product falls, it could be seriously damaged.
- Slots and openings are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface.
- This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind onto or into the product.
- To avoid damage of internal components and to prevent battery leakage, do not place the product on a vibrating surface.

- Never use it under sporting, exercising, or any vibrating environment which will probably cause unexpected short current or damage rotor devices, lamp.

## Using electrical power

- This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
- Do not allow anything to rest on the power cord. Do not locate this product where people will walk on the cord.
- If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.
- Do not overload a power outlet, strip or receptacle by plugging in too many devices. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip's input rating.
- This product's AC adapter is equipped with a three-wire grounded plug. The plug only fits in a grounded power outlet. Make sure the power outlet is properly grounded before inserting the AC adapter plug. Do not insert the plug into a non-grounded power outlet. Contact your electrician for details.

> **Warning! The grounding pin is a safety feature. Using a power outlet that is not properly grounded may result in electric shock and/or injury.**

> **Note: The grounding pin also provides good protection from unexpected noise produced by other nearby electrical devices that may interfere with the performance of this product.**

- Use the product only with the supplied power supply cord set. If you need to replace the power cord set, make sure that the new power cord meets the following requirements: detachable type, UL listed/CSA certified, VDE approved or its equivalent, 4.5 meters (15 feet) maximum length.

## Product servicing

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- the power cord or plug is damaged, cut or frayed
- liquid was spilled into the product
- the product was exposed to rain or water
- the product has been dropped or the case has been damaged
- the product exhibits a distinct change in performance, indicating a need for service
- the product does not operate normally after following the operating instructions

**Note:** Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.

**Warning!** For safety reasons, do not use non-compliant parts when adding or changing components. Consult your reseller for purchase options.

Your device and its enhancements may contain small parts. Keep them out of the reach of small children.

## Additional safety information

- Do not look into the projector's lens when the lamp is on. The bright may hurt your eyes.
- Turn on the projector first and then signal sources
- Do not place the product in following environments:
  - Space that is poorly ventilated or confined. At least 50cm clearance from walls and free flow of air around the projector is necessary.
  - Locations where temperatures may become excessively high, such as inside of a car with all windows rolled up.
  - Locations where excessive humidity, dust, or cigarette smoke may contaminate optical components, shortening the life span and darkening the image.
  - Locations near fire alarms.
  - Locations with an ambient temperature above 40 °C/104 °F.
  - Locations where the altitudes are higher than 10000 feet.
- Unplug immediately if there is something wrong with your projector. Do not operate if smoke, strange noise or odor comes out of your projector. It might cause fire or electric shock. In this case, unplug immediately and contact your dealer.
- Do not keep using this product to break or drop it. In this case contact your dealer for inspection.
- Do not face the projector lens to the sun. It can lead to fire.
- When switching the projector off, suggest to ensure the projector completes its cooling cycle before disconnecting power.
- Do not frequently turn off the main power abruptly or unplug the projector during operation. The best way is to wait for the fan to turn off

before turning main power off.

- Do not touch air outlet grille and bottom plate which becomes hot.
- Do not look into the air outlet grille when projector is operating. It may hurt your eyes.
- Always open the lens shutter or remove the lens cap when the projector is on.
- Do not block the projector lens with any object when the projector is under operation as this could cause the object to become heated and deformed or even cause a fire.
- The lamp becomes extremely hot during operation. Allow the projector to cool for approximately 45 minutes prior to removing the lamp assembly for replacement.
- Do not operate lamps beyond the rated lamp life. It could cause it to break on rare occasions.
- Never replace the lamp assembly or any electronic components unless the projector is unplugged.
- The product will detect the life of the lamp itself. Please be sure to change the lamp when is showing warning message.
- When changing the lamp, please allow unit to cool down, and follow all changing instructions.
- Reset the "Lamp Hour Reset" function from the Onscreen display "Settings" menu after replacing the lamp module.
- Do not attempt to disassemble this projector. There are dangerous high voltages inside which may hurt you. The only user serviceable part is the lamp which has its own removable cover. Refer servicing only to suitable qualified professional service personnel.
- Do not stand the projector on end vertically. It may cause the projector to fall over, causing injury or damage.
- This product is capable of displaying inverted images for ceiling mount installation. Only use acer ceiling mount kit for mounting the projector and ensure it is securely installed.
- The projector should be placed in a horizontal way by means of desktop or ceiling mount mode only, and its tilt angles should not exceed 6 degrees, otherwise it would cause dramatical decrease of lamp life or severe safety concern of system malfunction.
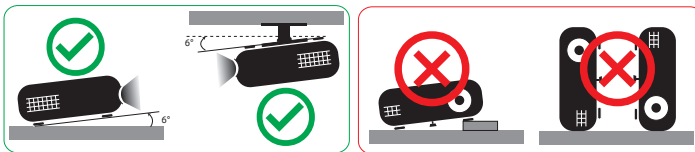
## Caution for Listening

To protect your hearing, follow these instructions.

- Increase the volume gradually until you can hear clearly and comfortably.
- Do not increase the volume level after your ears have adjusted.
- Do not listen to music at high volumes for extended periods.
- Do not increase the volume to block out noisy surroundings.
- Decrease the volume if you can't hear people speaking near you.
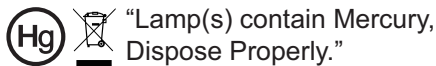
## Disposal instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle. For more information on the Waste from Electrical and Electronics Equipment (WEEE) regulations, visit
**http://www.acer-group.com/public/Sustainability/sustainability01.htm**

## Mercury advisory

For projectors or electronic products containing an LCD/CRT monitor or display:

"Lamp(s) contain Mercury, Dispose Properly."

Lamp(s) inside this product contain mercury and must be recycled or disposed of according to local, state or federal laws. For more information, contact the Electronic Industries Alliance at www.eiae.org. For lamp-specific disposal information, check **www.lamprecycle.org**

**RISK GROUP 2**

**CAUTION**
Possibly hazardous optical radiation emitted from this product

**Groupe de risque 2**

**ATTENTION**
Rayonnement optique evéntuellement dangereux émis par ce produit

## Do not stare into the beam, RG2

"As with any bright source, do not stare into the direct beam, RG2 IEC 62471-5:2015"
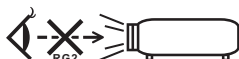
# First things first

## Usage Notes

Do:

- Turn off the product before cleaning.

- Use a soft cloth moistened with mild detergent to clean the display housing.

- Disconnect the power plug from AC outlet if the product is not being used for a long period of time.

Don't:

- Block the slots and openings on the unit provided for ventilation.

- Use abrasive cleaners, waxes or solvents to clean the unit.

- Use under the following conditions:

    - In extremely hot, cold or humid environments.

    - In areas susceptible to excessive dust and dirt.

    - Near any appliance that generates a strong magnetic field.

    - Place In direct sunlight.

## Precautions

Follow all warnings, precautions and maintenance as recommended in this user's guide to maximize the life of your unit.

**Warning:**

- Do not look into the projector's lens when the lamp is on. The bright light may hurt your eyes.
- To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.
- Please do not open or disassemble the product as this may cause electric shock.
- When changing the lamp, please allow unit to cool down, and follow all changing instructions.
- This product will detect the life of the lamp itself. Please be sure to change the lamp when it shows warning messages.
- Reset the "Lamp Hour Reset" function from the Onscreen display "Settings" menu after replacing the lamp module.
- When switching the projector off, please ensure the projector completes its cooling cycle before disconnecting power.
- Turn on the projector first and then the signal sources.
- Do not use lens cap when projector is in operation.
- When the lamp reaches the end of its life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn back on until the lamp module has been replaced. To replace the lamp, follow the procedures listed under "Replacing the Lamp".

# Contents

# Introduction

## Product Features

This product is a single-chip DLP® projector. Outstanding features include:

- DLP® technology
- Auto/4:3/16:9/Native aspect ratio supported
- High brightness and contrast ratio
- Versatile display modes enable optimum performance in any situation
- HDTV (480i/p, 576i/p, 720p, 1080i/p, 2160p) supported
- Lower power consumption and economy (ECO) mode extend lamp life
- Acer EcoProjeciton Technology delivers Intelligent power management approach and physical efficiency improvement
- Smart detection delivers quick, intelligent source detection
- Multi-language onscreen display (OSD) menus
- Manual focus/zoom projection lens
- 0.8x~2.0x digital zoom
- Microsoft® Windows® 2000, XP, Vista®, Windows 7, Windows 8.1, Windows 10, Macintosh® OS compliant, ChromeOS Compliant
- Auto image re-sizing to 4K Addressable Pixels full screen
- Manual lens vertical shift adjustment

**Note:** Functions vary depending on model definition.
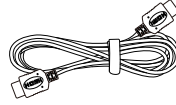
# Package Overview

This projector comes with all the items shown below. Check to make sure your unit is complete. Contact your dealer immediately if any thing is missing.
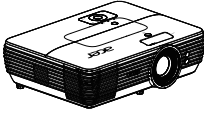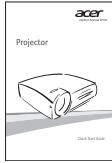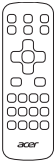
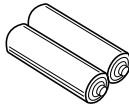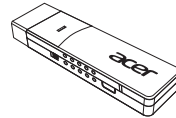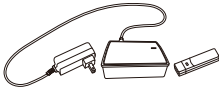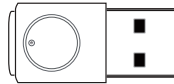| | | |
|---|---|---|
| Projector | Power cord | HDMI cable |
| User's guide (option) | Quick start guide | Carrying case (option) |
| Remote control | AAA battery x2 (option) | WirelessCAST (option) |
| WirelessHD-Kit (option) | WirelessProjection-Kit | User's guide (for multi-media and wireless functions) |
| Quick start guide (for multi-media and wireless functions) | | |

**Note:** When projecting a 4K2K/60Hz signal, use an HDMI Premium certified 4K2K/60Hz cable supporting 18Gbps bandwidth.



Trust the cable with the label

# Projector Overview

## Projector Outlook

Front / upper side
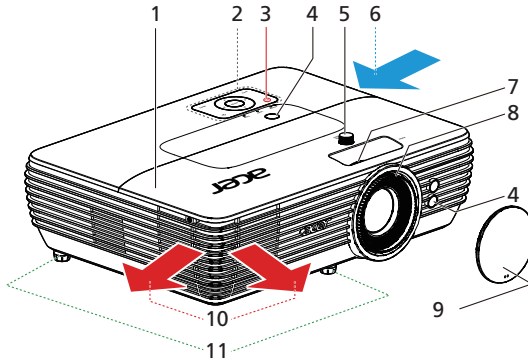
| # | Description | # | Description |
|---|---|---|---|
| 1 | Lamp cover | 7 | Zoom ring |
| 2 | Control panel | 8 | Focus ring |
| 3 | Power button | 9 | Lens cap |
| 4 | Remote control receiver | 10 | Air outlet |
| 5 | Lens shift control ring | 11 | Tilt adjusting wheels |
| 6 | Air inlet | | |

## Right / Rear side
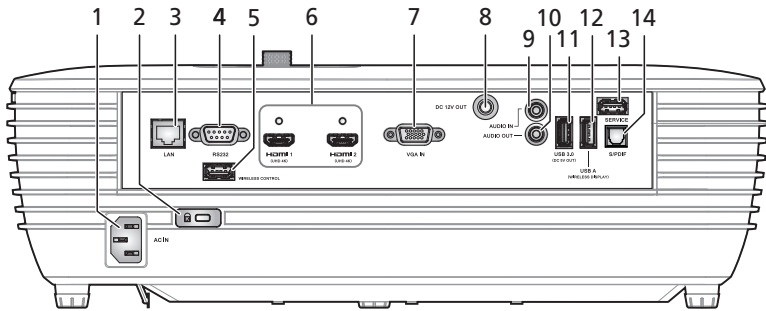


| # | Description | # | Description |
|---|-------------|---|-------------|
| 1 | Power socket | 8 | 12V DC output connector |
| 2 | Kensington™ lock port | 9 | Audio in connector |
| 3 | LAN (RJ45 Port for 10/100M Ethernet) | 10 | Audio out connector |
| 4 | RS232 connector | 11 | 5V DC output connector |
| 5 | USB connector (for wifi dongle control) | 12 | USB connector (for wifi dongle) |
| 6 | HDMI connector | 13 | Service connector (for firmware upgrade) |
| 7 | PC analog signal/HDTV/component video input connector | 14 | S/PDIF connector |

**Note:** Functions vary depending on model definition.

# Control Panel
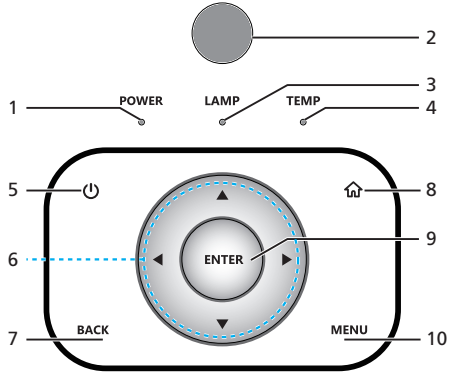


| # | Icon | Function | Description |
|---|------|----------|-------------|
| 1 | POWER | POWER | Power Indicator LED |
| 2 | | IR Recevier | Remote control receiver. |
| 3 | LAMP | LAMP | Lamp Indicator LED |
| 4 | TEMP | TEMP | Temp Indicator LED |
| 5 | | POWER | See the contents in **"Turning the Projector On/Off"** section. |
| 6 | | Four directional select keys | Use ▲▼►◄ to select items or make adjustments to your selection. |
| 7 | BACK | BACK | Returns to the previous operation. |
| 8 | | Home | Return to the Home screen. |
| 9 | ENTER | ENTER | Confirm your selection of items. |
| 10 | MENU | MENU | Press **"MENU"** to launch the Onscreen display (OSD) menu or exit the OSD menu. |

**Note:** Functions vary depending on model definition.

# Remote Control Layout



| # | Icon | Function | Description |
|---|------|----------|-------------|
| 1 | | Infrared transmitter | Sends signals to the projector. |
| 2 | | POWER | Refer to the "**Turning the Projector On/Off**" section. |
| 3 | HDR | HDR | Compatible with the latest HDR format, which delivers crisp, clear images with sharp changes in brightness, and provides realistic images with enhanced details, extended depth of field, and rich color gamut. HDR has 4 levels and each level suits different type of content, including dark and bright scene.<br><Note> If the HDR option is adjusted under the SDR (Standard Dynamic Range) signal, the screen is an abnormal color. |
| 4 | MODE | MODE | Chooses a display mode. |
| 5 | ENTER | Select/Enter | Confirm your selection of items. |
| 6 | ◀ | Volume Down | Decreases the volume. (only for Multi-Media mode) |
| 7 | | Four directional select keys | Use up, down, left, right buttons to select items or make adjustments to your selection. |
| 8 | | Backlight | Remote backlight. |
| 9 | SOURCE | SOURCE | Changes the active source. |

| # | Icon | Function | Description |
|---|------|----------|-------------|
| 10 | Home | Home | Return to the Home screen. |
| 11 | | KEYSTONE | No function. |
| 12 | ▶+ | Volume UP | Increases the volume. (only for Multi-Media mode) |
| 13 | BACK | BACK | Returns to the previous operation. |
| 14 | VGA | VGA | Press "VGA" to change source to the VGA connector. This connector supports analog RGB, YPbPr (480p/576p/720p/1080i), YCbCr (480i/576i) and RGB sync. |
| 15 | INFO | Information | Display the projector information for Model Name, Input Source, Signal Type, Display Mode, Software Version and QR Code on the screen. |
| 16 | AcuM. | AcuMotion | Activate AcuMotion to provide a smoother image when viewing video content. |
| 17 | BRIGHT | Brightness | Adjust the brightness of the image. |
| 18 | MUTE | MUTE | To turn on/off the volume. |
| 19 | RATIO | Aspect Ratio | To choose the desired aspect ratio. |
| 20 | MENU | MENU | Press "**MENU**" to launch the Onscreen display (OSD) menu or exit the OSD menu. |
| 21 | HDMI/MHL | HDMI™/MHL | To change source to HDMI/MHL. |
| 22 | ⊕ | ZOOM In | Zooms the projector display in. |
| 23 | ⊖ | ZOOM Out | Zooms the projector display out. |
| 24 | SHARP | Sharpness | Adjusts the sharpness of the image. |
| 25 | ☆ | | Lanches the media quick menu when playing media. |
| 26 | 3D | 3D | Press "3D" to select 3D models. |

**Note:** Functions vary depending on model definition.

# Getting Started

## Connecting the Projector
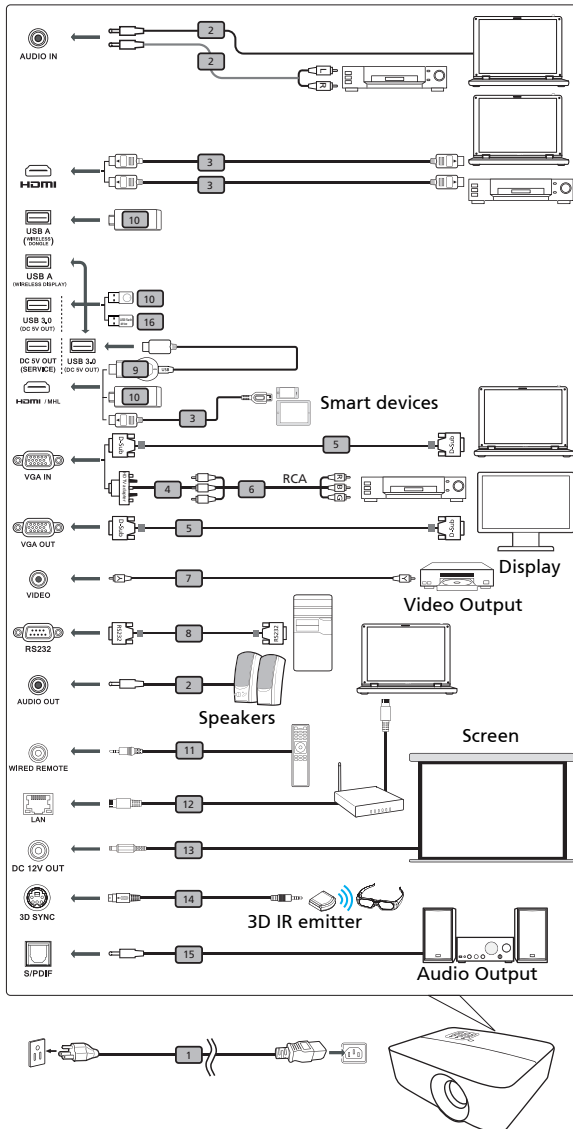
| # | Description | # | Description |
|---|---|---|---|
| 1 | Power cord | 9 | WirelessHD dongle |
| 2 | Audio cable | 10 | Wireless dongle |
| 3 | HDMI (MHL) cable | 11 | Wireless remote control |
| 4 | VGA to component/HDTV adapter | 12 | LAN cable |
| 5 | VGA cable | 13 | 12V DC cable |
| 6 | 3 RCA component cable | 14 | 3D SYNC cable |
| 7 | Composite video cable | 15 | SPDIF cable |
| 8 | RS232 cable | 16 | USB flash drive |

**Note 1:** To ensure the projector works well with your computer, please make sure the timing of the display mode is compatible with the projector.
**Note 2:** Functions vary depending on model definition.
**Note 3:** USB cable needs powered extender if the length is over 5 m.
**Note 4:** USB DC 5V out connector support 5V power output for HDMI dongle charging.
**Note 5:** DC 12V out connector support 12V/100mA power for screen control only.

# Turning the Projector On/Off

## Turning on the Projector

1    Ensure that the power cord and signal cable are securely connected. The Power indicator LED will flash red.

2    Turn on the projector by pressing "**Power**" button 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 "Lock" and "Source" icons, it means the projector is locked onto a specific source type and there is no such type of input signal detected.

   •    If the screen displays "No Signal", please make sure the signal cables are securely connected or press source direct key.

   •    If you connect to multiple sources at the same time, use the "Source" button on either control panel or the remote control or direct source key on the remote control to switch between inputs.

# Turning the projector off

1    To turn the projector off, press and hold the power button. This message appears: **"Please press the power button again to complete the shutdown process."** Press the power button again.

2    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 10 seconds to ensure that the system cools properly.

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 with 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 1:** Whenever the projector automatically shuts down and the LED lamp indicator turns solid red, contact your local reseller or service center.
**Note 2:** Functions vary depending on model definition.
**Attention!** The projector will enter a two minute cool down period to ensure continued optimal lamp operation.
**Attention!** Please do not turn off projector within 1 minute after power on.

# Adjusting the Projected Image

## Adjusting the Height of Projected Image

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

### To raise/lower the image:
Use Tilt adjusting wheel to fine-tune the display angle.

Tilt adjusting wheel
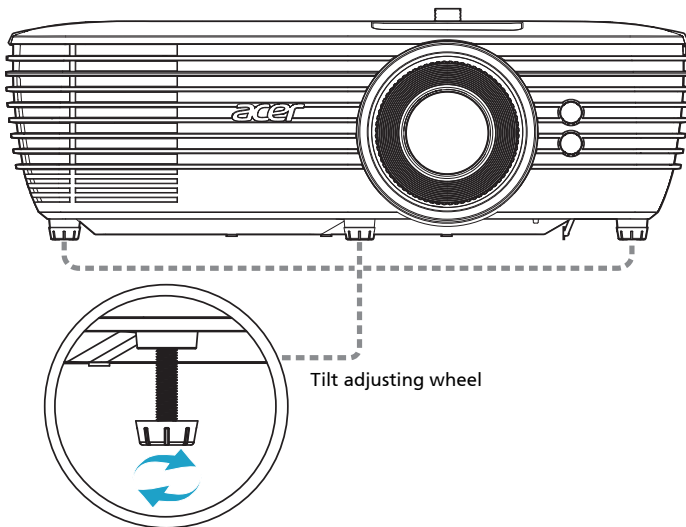
# How to optimize image size and distance

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

If the projector is 2 m from the screen, good image quality is possible for image sizes between 57" and 75".

**Note:** Remind as below figure, the space of 98 cm height is required when located at 2 m distance.
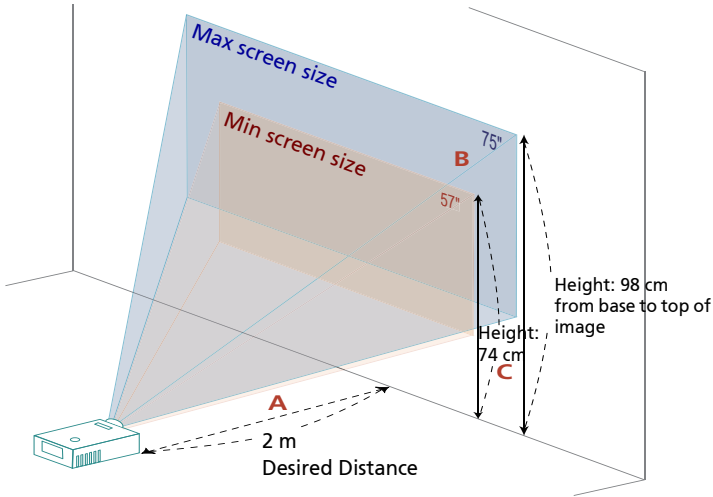


| Desired Distance (m) <A> | Screen size (Min zoom) | | Top (Min zoom) | Screen size (Max zoom) | | Top (Max zoom) |
|---|---|---|---|---|---|---|
| | Diagonal (inch) <B> | W (cm) x H (cm) | From base to top of image (cm) <C> | Diagonal (inch) <B> | W (cm) x H (cm) | From base to top of image (cm) <C> |
| 1 | 28 | 63 x 35 | 37 | 37 | 83 x 46 | 49 |
| 2 | 57 | 126 x 71 | 74 | 75 | 165 x 93 | 98 |
| 2.5 | 71 | 157 x 88 | 93 | 93 | 207 x 116 | 122 |
| 3 | 85 | 189 x 106 | 111 | 112 | 248 x 139 | 146 |
| 3.5 | 99 | 220 x 124 | 130 | 131 | 289 x 163 | 171 |
| 4 | 114 | 252 x 142 | 149 | 149 | 331 x 186 | 195 |
| 5 | 142 | 314 x 177 | 186 | 187 | 413 x 232 | 244 |
| 6 | 170 | 377 x 212 | 223 | 224 | 496 x 279 | 293 |
| 7 | 199 | 440 x 248 | 260 | 261 | 579 x 325 | 342 |
| 8.04 | 228 | 506 x 284 | 299 | 300 | 664 x 374 | 392 |

Zoom Ratio: 1.3x

# 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.

To obtain an image size of 60" set the projector at a distance 1.6 m and 2.1 m from the screen.
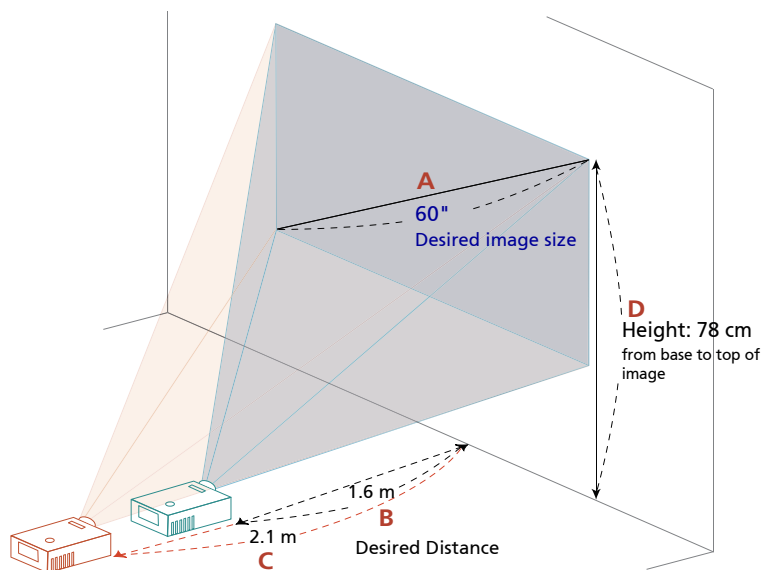


| Desired Image Size | | Distance (m) | | Top (cm) |
|---|---|---|---|---|
| Diagonal (inch) <A> | W (cm) x H (cm) | Max zoom <B> | Min zoom <C> | From base to top of image <D> |
| 37.5 | 83 x 47 | 1.0 | 1.3 | 49 |
| 40 | 89 x 50 | 1.1 | 1.4 | 52 |
| 50 | 111 x 62 | 1.3 | 1.8 | 65 |
| 60 | 133 x 75 | 1.6 | 2.1 | 78 |
| 70 | 155 x 87 | 1.9 | 2.5 | 92 |
| 80 | 177 x 100 | 2.1 | 2.8 | 105 |
| 90 | 199 x 112 | 2.4 | 3.2 | 118 |
| 100 | 221 x 125 | 2.7 | 3.5 | 131 |
| 120 | 266 x 149 | 3.2 | 4.2 | 157 |
| 150 | 332 x 187 | 4.0 | 5.3 | 196 |
| 200 | 443 x 249 | 5.4 | 7.0 | 262 |
| 250 | 553 x 311 | 6.7 | 8.8 | 327 |
| 300 | 664 x 374 | 8.04 | 10.6 | 392 |

Zoom Ratio: 1.3x

English

## How to get a preferred image position by adjusting lens shift

The projector is equipped with lens shift for adjusting the position of projected image up and down without requiring you to physically move the projector.

Vertical Lens
Shift ring

**2**

**1**
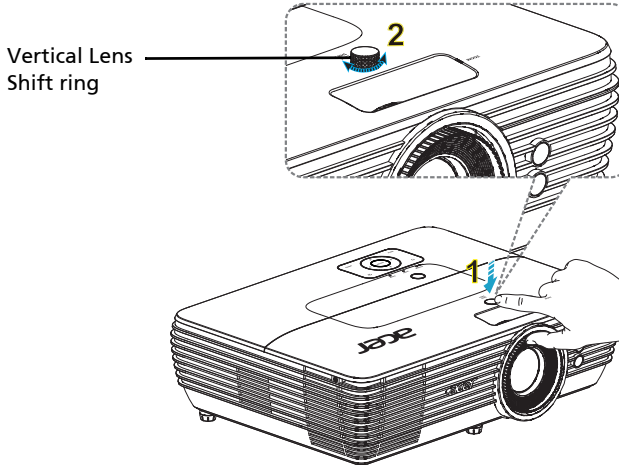
**Note:** The figures shown in this section are for reference only not approximate value. The figures between units can be different due to  assembly tolerance.

The vertical height can be adjusted between 0% and 15% of the image height. (The typical vertical image offset is fixed at 15% of the image height above the center of the projector lens.)
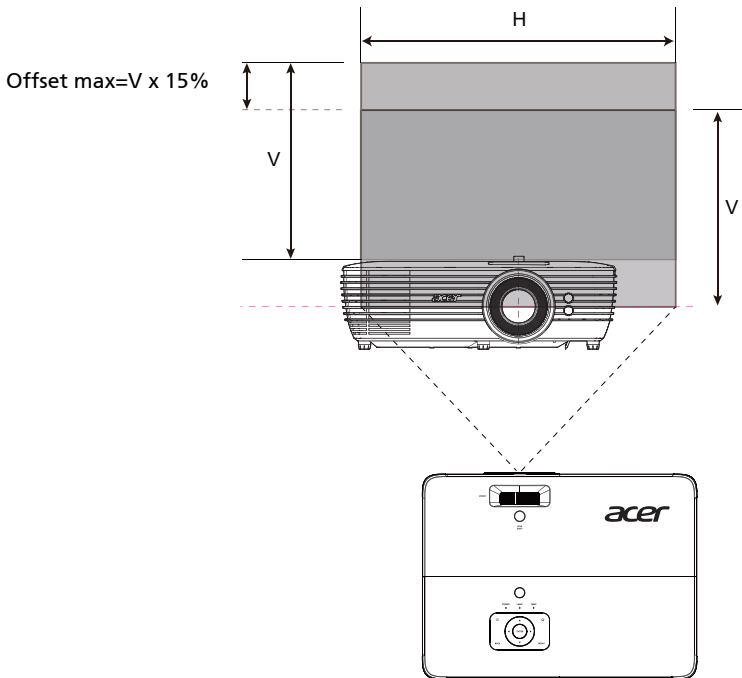
# User Controls

## Onscreen Display (OSD) Menus

The projector has multilingual OSD that allow you to make image adjustments and change a variety of settings.

### Home screen overview

The Home screen is displayed every time you start the projector. From the main Home screen, it basically divided into 3 main categories: Projector, Application, and Settings.

To navigate the Home screen, simply use the buttons on the remote control.

You can return to the main Home screen at any time by pressing the ⌂ on the remote control, regardless of what page you are on.
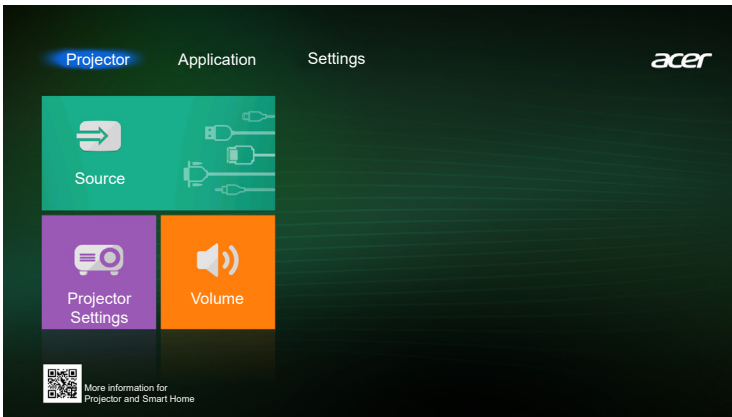
# Startup menu (for First time)
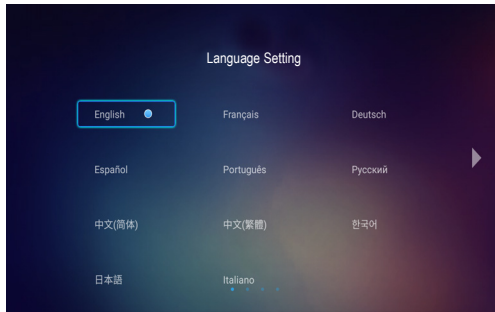


| Language | Choose the multilingual OSD menu. Use the ▲ or ▶ or ▼ or ◀ key to select your preferred menu language.<br>• Press ▶ to confirm the selection. |
|---|---|
| Projection | Use the ▲ or ▼ to select projection mode from Front, Rear, Rear Ceiling and Ceiling.<br>• Press ▶ to confirm the selection. |
| Network Standby | Use the ▲ or ▼ to select network standby from Off, LAN and WiFi under standby mode.<br>• Press ▶ to confirm the selection. |
| Complete Set | Press "Complete" to confirm the selection. |

# Projector menu
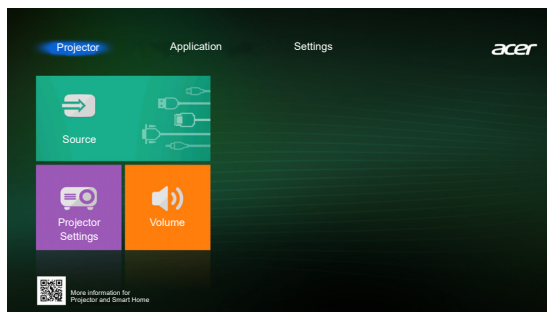


| Source | Use the ▲ or ▼ key to select input source. |
|---|---|
| Projector Settings | Please refer to Projector System OSD section. |

| Volume | • Press ◀ to decrease the volume.<br><br>• Press ▶ to increase the volume. |
|---|---|

## Application menu
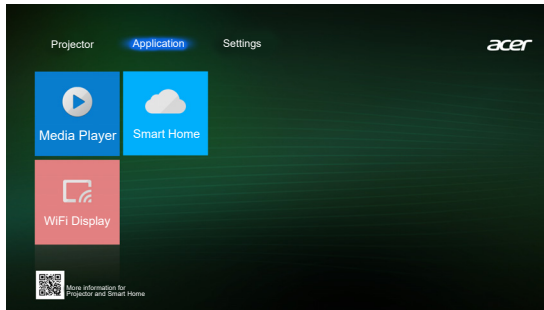


| Media Player | This mode allows you to browse data files stored in USB flash drive after connecting to projector. |
|---|---|
| WiFi Display | Please refer to EZCast Screen application. |
| Smart Home | Scan QR code linking for more information about Smart Home. |

**Note 1:** Functions vary depending on model definition.
**Note 2:** For more detailing instructions, please refer to the Media User's Guide.

## Settings menu



| Language | Choose the multilingual OSD menu. |
|---|---|

| Network | Projector Control Settings: Use the Network to control the projector. |
|---|---|
| | To configure the wireless connection, select Wireless setting and do the following:<br>a. Insert a WiFi dongle first, and then enable the Wi-Fi function.<br>b. Connect to an available Wi-Fi network from the list.<br>If you connect to a secure Wi-Fi network, you must enter the password when prompted. |
| | • Ethernet Settings: configure the network parameters.<br><br>   • Network Status: for network status.<br><br>   • MAC Address: Identify MAC address.<br><br>   • DHCP: Choose "On" the projector will obtain an IP address automatically from your network. Choose "Off" to assign an IP address manually.<br><br>   • IP Address: Identify IP address.<br><br>   • Subnet Mask: Identify Mask address.<br><br>   • DNS: Identify DNS address.<br>• Wireless Setting<br>• Projector Control Functions: select "Projector Control Functions" to configure how to monitor and control your projector over the network. For more information refer to Media User's Manual. |
| | Wireless Setting (Wi-Fi Display)<br>Select "Wireless Setting" to connect to other Smart Home devices after you have complete the necessary connection settings. For more information refer to Media User's Manual. |
| | Network Reset<br>Select "Yes" to reset the network. |

## Using the Projector System OSD menus

- To open the Projector System OSD menu, press **"MENU"** on the remote control or control panel.

- When the Projector System OSD is displayed, use the (▲)(▼) keys to select any item in the main menu. After selecting the desired main menu item, press **"ENTER"** to enter submenu for feature setting.

- Use the (▲)(▼) keys to select the desired item and adjust the settings by using the (◄)(►) keys.

- Select the next item to be adjusted in the submenu and adjust as described above.

- Press **"BACK"** on the remote control or control panel, the screen will return to the main menu.

- To exit Projector System OSD, press **"BACK"** on the remote control or control panel. The Projector System OSD menu will close and the projector will automatically save the new settings.

**Main menu**



**Sub menu**
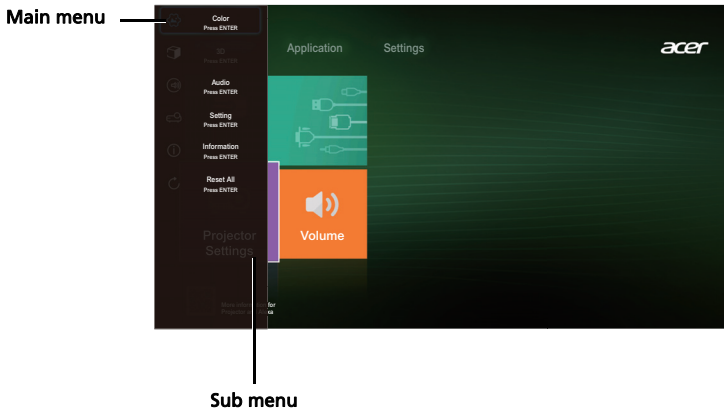
**Note 1:** Some of the following OSD settings may not be available. Please refer to the actual OSD of your projector.
**Note 2:** Functions vary depending on model definition.

# Projector System OSD

## Color

| Display Mode | There are many factory presets optimized for various types of images. |
|---|---|
| | • Movie: For brighter and general movie/video/photo playing. |
| | • HDR: Decodes and displays High Dynamic Range (HDR) content for the deepest blacks, brightest whites, and vivid cinematic color using REC.2020 color gamut. This mode will be automatically enabled if HDR is set to ON (and HDR Content is sent to projector – 4K UHD Blu-ray, 1080p/4K UHD, HDR Games, 4K UHD Streaming Video). |
| | • Standard: For common environment. |
| | • Silent: For silent environment. |
| | • Rec. 709: standard Rec. 709 color space. |
| | • Bright: For brightness optimization. |
| | • User: Memorize user's settings. |
| | • 3D: To experience the 3D effect, you need to have 3D glasses. Make sure a Blu-ray 3D DVD player is installed. |
| | • ISF Day: Calibrate and optimize the projection image based on bright environment by an ISF Certified technician. |
| | • ISF Night: Calibrate and optimize the projection image based on dark environment by an ISF Certified technician. |
| | <Note> |
| | While HDR mode is active, other display modes cannot be selected. |
| HDR | HDR |
| | Compatible with the latest HDR format, which delivers crisp, clear images with sharp changes in brightness, and provides realistic images with enhanced details, extended depth of field, and rich color gamut. HDR of any variety works best when viewing at night or in a dark room. |
| | • On: Turn on HDR Processing. |
| | • Off: Turn off HDR Processing. |
| | HDR Mode |
| | There are 4 levels and each level suits different type of content, including dark and bright scene. |
| Brightness | Adjust the brightness of the image. |
| | • Press ◀ to darken the image. |
| | • Press ▶ to lighten the image. |
| Contrast | "Contrast" controls the difference between the lightest and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image. |
| | • Press ◀ to decrease the contrast. |
| | • Press ▶ to increase the contrast. |

| Sharpness | Adjusts the sharpness of the image. |
|---|---|
| | • Press ◀ to decrease the sharpness. |
| | • Press ▶ to increase the sharpness. |
| Saturation | Adjusts a video image from black and white to fully saturated color. |
| | • Press ◀ to decrease the amount of color in the image. |
| | • Press ▶ to increase the amount of color in the image. |
| Tint | Adjusts the color balance of red and green. |
| | • Press ◀ to increase the amount of green in the image. |
| | • Press ▶ to increase the amount of red in the image. |
| Gamma | Effects the representation of dark scenery. With greater gamma value, dark scenery looks brighter. |
| Advanced | White Peaking<br>Increases the brightness of whites that are near 100%. (video sources only) |
| | Color Temperature<br>Use this function to choose CT1, CT2, CT3. |
| | Color Gamut<br>Select an appropriate color gamut from Standard, Movie, HDR, Rec. 709 or Bright. |
| | Color Space<br>Select an appropriate color matrix type from the following: Auto, RGB, or YUV. |
| | HSG<br>Ind. Color Management<br>Adjusts the red, green, blue, cyan, yellow and magenta colors.<br><br>• Ind. Hue: Adjusts the color balance of red and green.<br><br>• Ind. Saturation: Adjusts the selected color to be less or more saturated color.<br><br>• Ind. Gain: Adjusts the selected color's brightness.<br><br>• Ind. R Gain: Adjusts the selected red gain.<br><br>• Ind. G Gain: Adjusts the selected green gain.<br><br>• Ind. B Gain: Adjusts the selected blue gain. |
| | RGB Gain/Bias<br>Adjusts the red gain/green gain/blue gain/red bias/green bias/blue bias for color optimization. |

| | |
|---|---|
| Advanced | ISF<br><br>• Brightness/Contrast/Sharpness/Saturation/Tint/Gamma/White Peaking/Color Temperature/Color Gamut/HSG/RGB Gain/Bias: Adjusting these functions with the previous operation.<br><br>• Save Settings: Save the ISF Night or ISF Day.<br><br>• ISF Enable: Choose "On" to enable ISF function. Choose "Off" to turn off ISF function.<br><br>• ISF Day Reset: Reset ISF Day setting.<br><br>• ISF Night Reset: Reset ISF Night setting.<br><Note><br>1. The certified ISF technician will calibrate and optimize the projection image according to your actual environment. The ISF input password will be kept by technician only.<br>2. "ISF Day" and "ISF Night" will not be shown in display mode if projector equipped with ISF function has not been calibrated by an ISF certified technician. For more information, please go to ISF official website: https://www.imagingscience.com and contact the dealer located in your country.<br>3. The ISF calibration will be charged and guaranteed by ISF certified calibrator, and thereby Acer is not responsible for the calibration service. |
| Signal | Frequency<br>"Frequency" changes the projector's refresh rate to match the frequency of your computer's graphics card. If you can see a vertical flickering bar in the projected image, use this function to make the necessary adjustments. |
| | Tracking<br>Synchronizes the signal timing of the projector with the graphics card.<br>If you experience an unstable or flickering image, use this function to correct it. |
| | H. Position (Horizontal position)<br><br>• Press (◄) to move the image left.<br><br>• Press (►) to to move the image right. |
| | V. Position (Vertical position)<br><br>• Press (◄) to move the image left.<br><br>• Press (►) to to move the image right. |
| Dynamic Black | Choose "On" to automatically optimize the display of dark movie scenes enabling them to be shown in incredible detail. |
| ECO Mode | Choose "On" to dim the projector lamp which will lower power consumption, extend the lamp life and reduce noise. Choose "Off" to return normal mode. |
| Digital Zoom | Adjusts the image to reduce or magnify on the projection screen. |

| Aspect Ratio | Use this function to choose your desired aspect ratio.<br><br>• Auto: Keep the image with original width-higth ratio and maximize the image to fit native horizontal or vertical pixels.<br><br>• 4:3: The image will be scaled to fit the screen and displayed using a 4:3 ratio.<br><br>• 16:9: The image will be scaled to fit the width of the screen and the height adjusted to display the image using a 16:9 ratio.<br><br>• Native: This format displays the original image without any scaling. |
|---|---|
| AcuMotion | Activate AcuMotion to provide a smoother image when viewing video content.<br><Note> Only support on YUV signal at HDMI. |
| Reset | Return the factory default settings for Color menu settings. |

**Note 1:** "Saturation" and "Tint" functions are not supported under computer or HDMI mode.
**Note 2:** "H. Position", "V. Position", "Frequency" and "Tracking" functions are not supported under HDMI or Video mode.
**Note 3:** "Sharpness" functions is not supported under HDMI(RGB) mode.
**Note 4:** "Digital Zoom", "Aspect Ratio" and "AcuMotion" functions are not supported while 3D item is "On".
**Note 5:** Functions vary depending on model definition.

## 3D

| 3D | Choose "On" to enable DLP 3D function.<br><br>• On: Choose this item while using DLP 3D glasses, 120Hz 3D not supported.<br><br>• Off: Turn off 3D mode.<br><Note> Auto 3D On and gray out this while HDMI 1.4a 3D signal input. |
|---|---|
| 3D Format | 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.<br><Note> Gray out this while HDMI 1.4a 3D signal input. |
| 3D L/R Invert | 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). |

**Note 1:** It needs correct settings on graphic card 3D application program for correct 3D display.
**Note 2:** The SW players, such as Stereoscopic Player and DDD TriDef Media Player can support 3D format files. You can download these three players on 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 3:** "3D L/R Invert" is only available when 3D is enabled.
**Note 4:** There has reminder screen if 3D still enable when power on projector. Please adjust setting depended on your purpose.
**Note 5:** Functions vary depending on model definition.

# Audio

| Speaker | • Choose "On" to play sound through the projector's speaker. (internal) |
| | • Choose "Off" to disable projector's speaker. (internal) |
| Audio Out | • Choose "On" to play sound through from your audio amplifier. (external) |
| | • Choose "Off" to disable the headphone or audio amplifier. (external) |
| Mute | • Choose "On" to mute the volume. |
| | • Choose "Off" to restore the volume. |
| Volume | • Press ◀ to decrease the volume. |
| | • Press ▶ to increase the volume. |

**Note:** Functions vary depending on model definition.

# Settings

| Lamp | Lamp Hour Elapse<br>Displays the lamp's elapsed operating time (in hours). |
| | Lamp Hour Reset<br>Choose "Yes" and press "ENTER"to turn the lamp hour counter to 0 hours. |
| | Lamp Reminding<br>Activate this function to display a reminder to change the lamp 30 hours before its expected end-of-life. |
| Filter | Filter Hour<br>Show the filter used hour information. When meeting max time based on selected place, it will pop up a warning message to ask for replacing filter. |
| | Filter Reminding (Hours)<br>Default of Replacement Reminder is "Off". Choose other settings to activate filter replacement reminder after installing 3D dust filter. |
| | Filter Reset<br>Choose "Yes" to return the parameter to the factory default after replacing new 3D dust filter. |

| Power | AC Power On<br>Choose "On" to power on projector while AC power plug in. |
|---|---|
| | Auto Shutdown (Minutes)<br>The projector will automatically shutdown when there is no signal input after the allocated time. (default is 20 minutes) |
| | Sleep Time (Minutes)<br>Sets the sleep timer. |
| | Network Standby<br><br>• Off: Default is "Off".<br><br>• LAN: Choose "LAN" to enable LAN control under standby mode.<br><br>• WiFi: Choose "WiFi" to enable WiFi control under standby mode. |
| Management | Test Pattern<br>Default is "Off" to disable this function or select the test pattern from Grid (Green), Grid (Magenta), Grid (White), White. |
| | Projection<br><br>• Front: The factory default setting.<br><br>• Rear: When you select this function, the projector reverses the image so you can project from behind a translucent screen.<br><br>• 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.<br><br>• Ceiling: When you select this function, the projector inverts the image for ceiling-mounted projection. |
| | HDMI EDID<br>Select the HDMI EDID type from 2.0 or 1.4 |
| | Source Selection<br>Select source detection information from Notification, Manual or Auto. |
| | High Altitude<br>Choose "On" to turn on High Altitude mode. Operate the fans at full speed continuously to allow for proper high altitude cooling of the projector. |
| | Auto Screen<br>Default is "Off" , the down/up move of electronic screen will be related with power on/off of Projector. |

**Note:** Functions vary depending on model definition.

# Information

| | Display the projector information for Model Name,  Serial No., Input Source, Signal Type, Display Mode, Color Depth, Color Format, Software Version on the screen. |
|---|---|

**Note:**  Functions vary depending on model definition.

# Reset All

| | Choose "Yes" to return the parameters on all menus to the factory default settings. |
|---|---|

**Note:**  Functions vary depending on model definition.

# Acer LAN management

## Configuring the network settings

1    Press ⌂ on the remote control. The home screen appears.
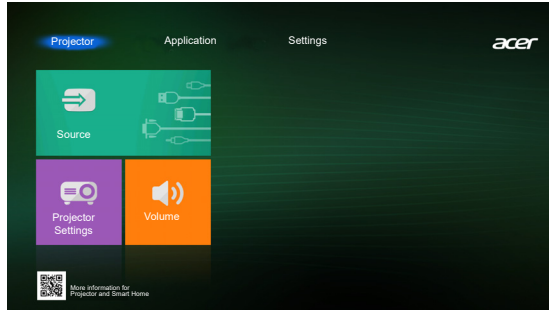


2    Select Settings > Network.
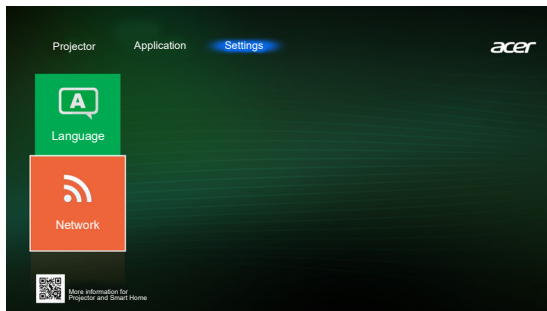


3    Perform the necessary settings.  You can find three main functions:
     Projector Control Settings, Wireless Setting and Network Reset.
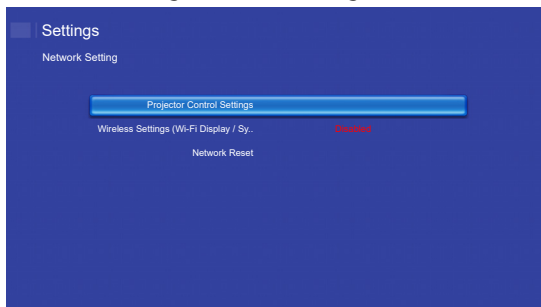
**Note:** To configure the wireless connection, select Wireless setting and do the following:
*a. Insert a WiFi dongle first, and then enable the Wi-Fi function.*
*b. Connect to an available Wi-Fi network from the list. If you connect to a secure Wi-Fi network, you must enter the password when prompted.*

Settings

Network Settings > Projector Control Settings

Ethernet Settings >
Wireless Settings Re a e l
Projector Control Functions >

Settings

Network Settings > Projector Control Settings > Wireless Settings

WiFi

Add network manually

XXX 〉
XXX 〉
XXX 〉
XXX 〉
XXX 〉
XXX 〉
XXX 〉

# Configuring the Projector Control

Projector Control Settings Ethernet Settings: Enter the Server IP address by 192.168.100.10 to find below homepage of acer LAN webpage management and configure the network parameters.
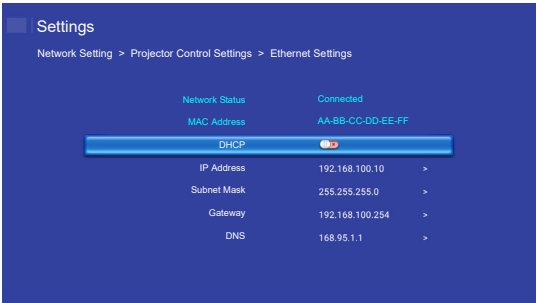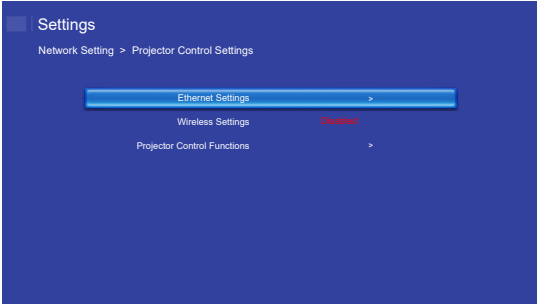


Wireless Settings: Select Register to register your network SSID and password, and specify the security type.
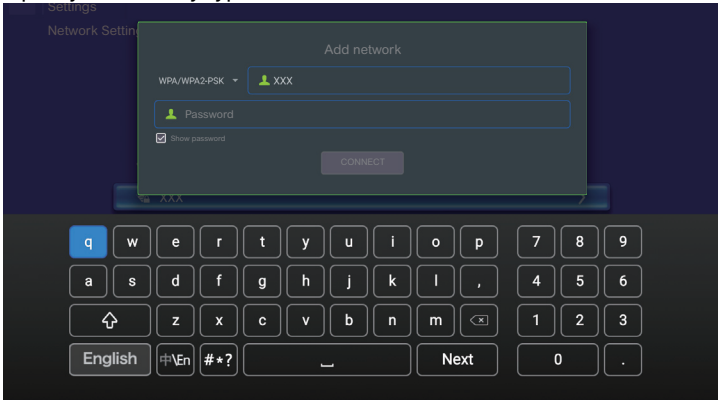
# Configuring the Wireless

## Settings

Network Settings

Projector Control Settings

Wireless Settings (Wi-Fi Display / Sy..                Disabled

Network Reset

## Settings

Network Settings  >  Wireless Settings (WiFi Display / System Update)

Wi-Fi

Add network manually

XXX 〉

XXX 〉

XXX 〉

XXX 〉

XXX 〉

XXX 〉

XXX 〉

## Settings

Network Settin...

Input Password

☑Show password

CONNECT

XXX 〉

q w e r t y u i o p 7 8 9
a s d f g h j k l , 4 5 6
z x c v b n m ⌫ 1 2 3
English En #*? ␣ Next 0 .

# 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 | • Connected as described in the "Getting Started" section.<br>• Ensure none of the connector pins are bent or broken.<br>• Check if the projector lamp has been securely installed. Please refer to the "Replacing the Lamp" section.<br>• Make sure you have removed the lens cap and the projector is switched on. |
| 2 | Partial, scrolling or incorrectly displayed image (for PC (Microsoft® Windows® 2000, XP, Vista®, Windows 7, Windows 8.1, Windows 10, Macintosh® OS compliant, ChromeOS Compliant)) | • For an incorrectly displayed image:<br>   • Open "My Computer", open the "Control Panel", and then double-click the "Display" icon.<br>   • Select the "Settings" tab.<br>   • Verify that your display resolution setting is lower than or equal to WUXGA-RB (1920 x 1200).<br>   • Click the "Advanced Properties" button.<br>If the problem still appears, change the monitor display you are using and follow the steps below:<br>   • Verify that the resolution setting is lower than or equal to WUXGA-RB (1920 x 1200).<br>   • Click the "Change" button under the "Monitor" tab.<br>   • Click "Show all devices". Next, select "Standard monitor types" under the SP box, and choose the resolution mode you need under the "Models" box.<br>   • Verify that the resolution setting of the monitor display is lower than or equal to WUXGA-RB (1920 x 1200). |

| 3 | Partial, scrolling or incorrectly displayed image (For notebooks) | • For an incorrectly displayed image:<br>    • Follow the steps for item 2 (above) to adjust the resolution of your computer.<br>    • 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]<br>• 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 | • 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.<br>• 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 | • Adjust the "Tracking" to correct it. Refer to the "Signal" section for more information.<br>• Change the display color depth settings on your computer. |
| 6 | Image has vertical flickering bar | • Use "Frequency" to make an adjustment. Refer to the "Signal" section for more information.<br>• Check and reconfigure the display mode of your graphics card to make it compatible with the projector. |
| 7 | Image is out of focus | • Make sure the lens cap is removed.<br>• Adjusts the focus ring on the projector lens.<br>• Make sure the projection screen is within the required distance of 3.3 to 26.4 feet (1.0 to 8.0 meters) from the projector. 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 | When you play a DVD encoded in anamorphic or 16:9 aspect ratio you may need to adjust the following settings:<br>• If you play a 4:3 format DVD title, please change the format to 4:3 in the projector OSD.<br>• 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.<br>• If you play an Letterbox (LBX) format DVD title, please change the format to Letterbox (LBX) in the projector OSD. |

| 9 | Image is too small or too large | • Adjust the zoom ring on the projector. |
|---|---|---|
| | | • Move the projector closer to or further from the screen. |
| | | • Press "MENU" on the remote control. Go to "Color --> Aspect Ratio" and try different settings or press "RATIO" on the remote control to adjust directly. |
| 10 | Image has slanted sides | • If possible, reposition the projector so that it is centered on the screen. |
| 11 | Image is reversed | • Select "Settings --> Management --> Projection" on the OSD and adjust the projection direction. |
| 12 | LAN/WiFi, USB Display source show No signal | • Power off peojector and power on again. |
| 13 | Image hangs up when displaying photo or document in Media | • Power off peojector and power on again. |

## OSD Messages

| # | Condition | Message Reminder |
|---|-----------|------------------|
| 1 | Message | • Fan Fail - the system fan is not working.<br><br>Fan Fail.<br>Lamp will automatically turn off soon.<br><br>• Projector Overheated - the projector has exceeded its recommended operating temperature and must be allowed to cool down before it may be used. Please check the following message.<br><br>Projector overheated, system will turn off automatically soon, please:<br>1. Check if operation ambient temperature between 5 degree and 40 degree..<br>2. Check if filter needs to be cleaned.<br>3. Check if inlet or outlet is blocked.<br>4. Check if high altitude mode is set when the projector operating at high altitude area.<br><br>• Replace the lamp - the lamp is about to reach its maximum lifetime. Prepare to replace it soon.<br><br>Lamp is approaching the end of its useful life in full power operation. Replacement suggested! |

## 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. |

# LED & Alarm Definition Listing

## LED Messages

| Message | Lamp_LED | Temp_LED | Power LED | |
|---|---|---|---|---|
| | Red | Red | Red | Blue |
| Input power plug | Flash ON to OFF 100ms | Flash ON to OFF 100ms | Flash ON to OFF 100ms | -- |
| Standby | -- | -- | ON | -- |
| Power button ON | -- | -- | -- | ON |
| Lamp retry | -- | -- | -- | Quick Flashing |
| Power off (Cooling state) | -- | -- | Quick Flashing | -- |
| Power button OFF (cooling completed; standby mode) | -- | -- | ON | -- |
| Error (thermal failure) | -- | ON | -- | ON |
| Error (fan lock) | -- | Quick Flashing | -- | ON |
| Error (lamp breakdown) | ON | -- | -- | ON |
| Error (color wheel fail) | Quick Flashing | -- | -- | ON |

# 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. You will be shown 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 cooling down for at least 30 minutes before changing the lamp.

**Warning:** The lamp compartment is hot! Allow it to cool down before changing the lamp.
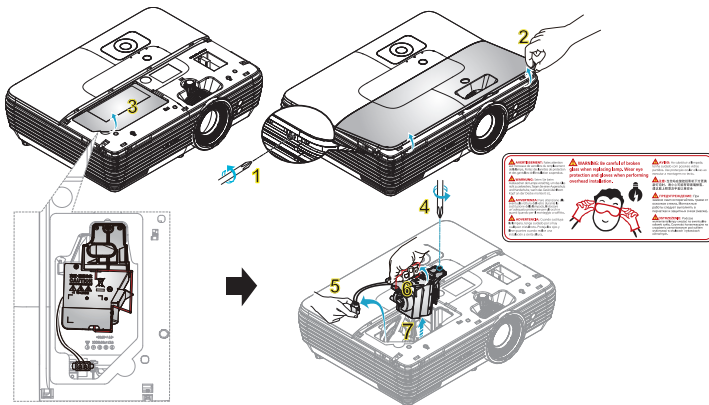


To Change the Lamp

Turn off the projector by pressing the Power button.

Allow the projector at least 30 minutes to cool down.

Disconnect the power cord.

1    Use a screwdriver to remove the screw from the cover. (Illustration #1)
     Push to the direction of the arrow and push up the cover.. (Illustration #2)
     Remove the protector. (Illustration #3)
2    Remove the screw that secure the lamp module. (Illustration #4)
     Pull out the lamp plug. (Illustration #5)
     Lift the handle so that it stands up. (Illustration #6)
3    Pull out the lamp module by force. (Illustration #7)

To replace the lamp module, use a new lamp and reverse the above steps.

**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, structural ceiling member, and secure the ceiling mount base to the ceiling.
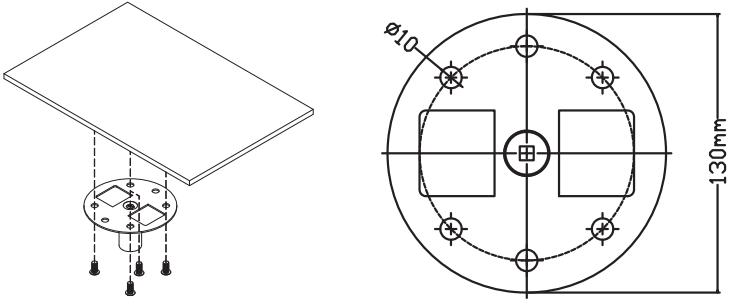


2    Choose the length combination based on actual environment. (CM-01S doesn't include Type 2 and Type 3.)

Type 1          Type 2          Type 3
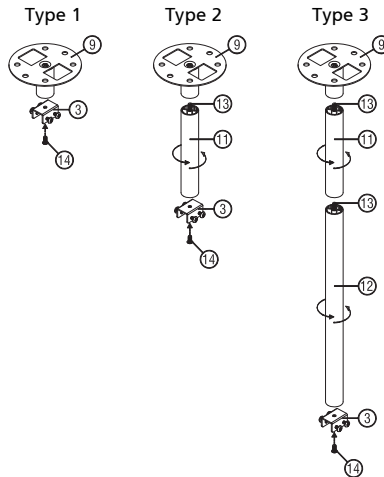
3    Type 1:
     For the standard size use three bracket screws to mount the projector to
     the ceiling mount bracket.
     Type 2 and Type 3:
     Alternatively, for the larger size, use the sliding extensions for more
     supports.



| Type 1: | Type 2: | Type 3: |
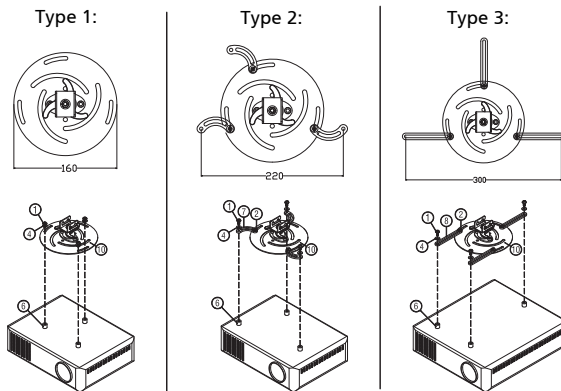


**Note:** It is recommended that you keep a reasonable space
between the bracket and the projector to allow for proper heat
distribution.

4    Connect the main body connector to the projector bracket (illustration 1),
     and then screw up four screws (illustration 2).
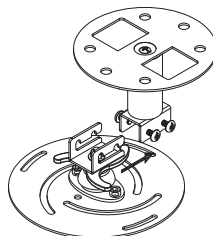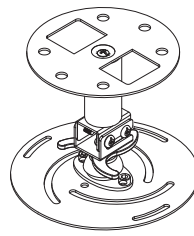


Illustration 1          Illustration 2

5    Adjust the angle and positioning as necessary.
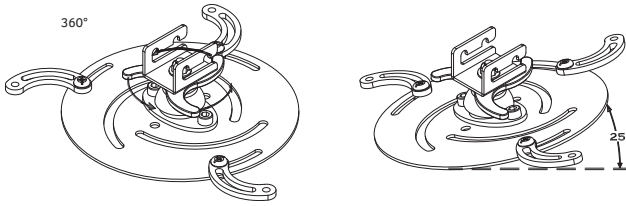


| Screw Type B | | Washer Type | |
|---|---|---|---|
| Diameter (mm) | Length (mm) | Large | Small |
| 4 | 25 | V | V |

English
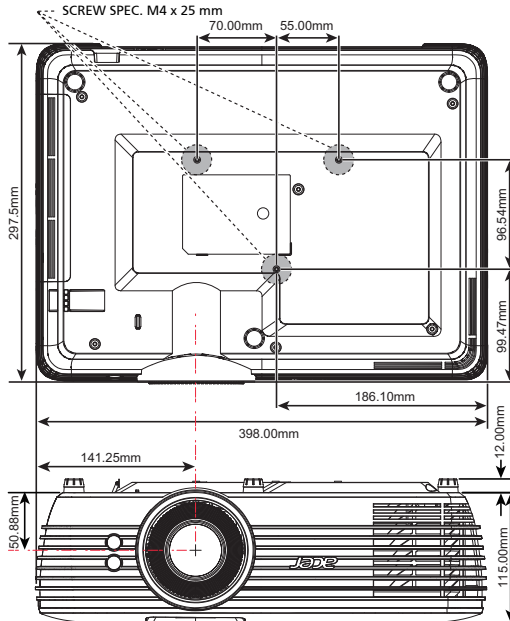
# Specifications

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

| | |
|---|---|
| Projection system | DLP® 4K UHD |
| Resolution | Native 3840x2160 resolution |
| | • Maximum: UXGA (1600 x 1200), WSXGA+ (1680x1050), 1080p(1920x1080), WUXGA-RB (1920 x 1200), UHD(3840x2160), 4K(4120x2160) |
| Computer compatibility | IBM PC and compatibles, Apple Macintosh, iMac and VESA standards: SXGA, XGA, VGA, SVGA, SXGA+, WXGA, WXGA+, WSXGA + |
| Video compatibility | HDTV (720p, 1080i, 1080p), EDTV (480p, 576p), SDTV (480i, 576i), 2160p |
| Aspect ratio | Auto, 4:3, 16:9, Native |
| Displayable colors | 1.07 billion colors |
| Optical zoom ratio | 1.3X |
| Throw ratio | 1.21 ~ 1.59:1 (75"@2.0m) |
| Projection lens | F = 1.94 ~ 2.23, f = 12.81mm ~ 16.74mm, Manual Zoom & Focus |
| Projection screen size (diagonal) | 37" (94cm)~ 300" (762cm) |
| Projection distance | 1.0m ~ 8.0m (3.3' ~ 26.4') |
| Horizontal scan rate | 15 - 135 kHz |
| Vertical refresh scan rate | 24 - 120 Hz |
| Lamp type | 240 W user-replaceable lamp |
| Audio | Internal speaker with 5W x 2 output |
| Weight | 5.5 Kg (12.1 lbs) |
| Dimensions (W x D x H) (with feet) | 398 mm X 297.5 mm X 127 mm (15.7" x 11.7" x 5.0") |
| Digital zoom | 0.8x ~ 2.0x |
| Power supply | AC input 100 - 240 V auto-switching power supply |
| Power consumption | Normal mode: 310W ± 10% @ 110VAC ECO mode: 230W ± 10% @ 110VAC Standby mode < 0.5W |
| Operating temperature | 0ºC to 40ºC / 32ºF to 104ºF |
| Standard package contents | • AC power cord x1 |
| | • HDMI cable x1 |
| | • Remote control x1 |
| | • AAA battery x2 (for remote control) (option) |
| | • User's guide (Projector) (CD-ROM) x1 |
| | • User's guide (Media/Wireless function) (CD-ROM) x1 |
| | • Quick start guide (Projector) x1 |
| | • Quick start guide (Media/Wireless function) x1 |
| | • Carrying case x1 (option) |

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English

| I/O connectors | H6820M/V6820M/E8620/E8620C/ET-4K17/<br>HT-4K17/GM836/HV836/VH-737/TH-737/<br>H6820i/V6820i/D4K1736/D4K1731 |
|---|---|
| Power socket | V |
| VGA IN | V |
| HDMI1 | V |
| HDMI2 | V |
| RJ45 LAN input | V |
| RS232 | V |
| 3.5 mm audio jack input | V |
| 3.5 mm audio jack output | V |
| 5V DC output | V |
| 12V DC output | V |
| Service connector | V |
| USB connector (for wireless control) | V |
| USB connector (for wireless display) | V |
| S/PDIF output | V |

**Note:** Design and specifications are subject to change without notice.

# Compatibility modes

## A. VGA Analog

1    VGA Analog - PC Signal

| Modes | Resolution | V.Frequency [Hz] | H.Frequency [KHz] |
|---|---|---|---|
| VGA | 640x480 | 60 | 31.5 |
| | 640x480 | 72 | 37.9 |
| | 640x480 | 75 | 37.5 |
| | 640x480 | 85 | 43.3 |
| | 640x480 | 120 | 61.9 |
| SVGA | 800x600 | 56 | 35.1 |
| | 800x600 | 60 | 37.9 |
| | 800x600 | 72 | 48.1 |
| | 800x600 | 75 | 46.9 |
| | 800x600 | 85 | 53.7 |
| | 800x600 | 120 | 77.4 |
| XGA | 1024x768 | 60 | 48.4 |
| | 1024x768 | 70 | 56.5 |
| | 1024x768 | 75 | 60.0 |
| | 1024x768 | 85 | 68.7 |
| | 1024x768 | 120 | 99.0 |
| SXGA | 1152x864 | 70 | 63.8 |
| | 1152x864 | 75 | 67.5 |
| | 1152x864 | 85 | 77.1 |
| | 1280x1024 | 60 | 64.0 |
| | 1280x1024 | 72 | 77.0 |
| | 1280x1024 | 75 | 80.0 |
| | 1280x1024 | 85 | 91.1 |
| QuadVGA | 1280x960 | 60 | 60.0 |
| | 1280x960 | 75 | 75.2 |
| SXGA+ | 1400x1050 | 60 | 65.3 |
| UXGA | 1600x1200 | 60 | 75.0 |
| PowerBook G4 | 640x480 | 60 | 31.4 |
| PowerBook G4 | 640x480 | 66.6(67) | 34.9 |
| PowerBook G4 | 800x600 | 60 | 37.9 |
| PowerBook G4 | 1024x768 | 60 | 48.4 |
| PowerBook G4 | 1152x870 | 75 | 68.7 |
| PowerBook G4 | 1280x960 | 75 | 75.0 |
| i Mac DV (G3) | 1024x768 | 75 | 60.0 |

## 2    VGA Analog - Extended Wide timing

| Modes | Resolution | V.Frequency [Hz] | H.Frequency [KHz] |
|-------|------------|------------------|-------------------|
| WXGA | 1280x768 | 60 | 47.8 |
| | 1280x768 | 75 | 60.3 |
| | 1280x768 | 85 | 68.6 |
| | 1280x720 | 60 | 44.8 |
| | 1280x800-RB | 120 | 101.56 |
| | 1280x800 | 60 | 49.6 |
| | 1440x900 | 60 | 59.9 |
| WSXGA+ | 1680x1050 | 60 | 65.3 |
| | 1920x1080 (1080P) | 60 | 67.5 |
| | 1366x768 | 60 | 47.7 |
| WUXGA | 1920x1200-RB | 59.9 | 74.00 |

## 3    VGA Analog -Component Signal

| Modes | Resolution | V.Frequency [Hz] | H.Frequency [KHz] |
|-------|------------|------------------|-------------------|
| 480i | 720x480(1440x480) | 59.94 (29.97) | 15.7 |
| 576i | 720x576(1440x576) | 50(25) | 15.6 |
| 480p | 720x480 | 59.94 | 31.5 |
| 576p | 720x576 | 50 | 31.3 |
| 720p | 1280x720 | 60 | 45.0 |
| 720p | 1280x720 | 50 | 37.5 |
| 1080i | 1920x1080 | 60(30) | 33.8 |
| 1080i | 1920x1080 | 50(25) | 28.1 |
| 1080p | 1920x1080 | 23.97/24 | 27.0 |
| 1080p | 1920x1080 | 60 | 67.5 |
| 1080p | 1920x1080 | 50 | 56.3 |
| Graphic source monitor range limits | Horizontal scan rate: | | 15k-104kHz |
| | Vertical scan rate: | | 24-120 Hz |
| | Max. pixel rate: | | Analog:170MHz |

# B. HDMI2.0 Digital

## 1    HDMI - PC Signal

| Modes | Resolution | V.Frequency [Hz] | H.Frequency [KHz] |
|-------|------------|------------------|-------------------|
| VGA | 640x480 | 60 | 31.5 |
| | 640x480 | 72 | 37.9 |
| | 640x480 | 75 | 37.5 |
| | 640x480 | 85 | 43.3 |
| SVGA | 800x600 | 56 | 35.1 |
| | 800x600 | 60 | 37.9 |

| | 800x600 | 72 | 48.1 |
|---|---|---|---|
| | 800x600 | 75 | 46.9 |
| | 800x600 | 85 | 53.7 |
| | 800x600 | 120 | 77.4 |
| XGA | 1024x768 | 60 | 48.4 |
| | 1024x768 | 70 | 56.5 |
| | 1024x768 | 75 | 60.0 |
| | 1024x768 | 85 | 68.7 |
| | 1024x768 | 120 | 99.0 |
| SXGA | 1152x864 | 70 | 63.8 |
| | 1152x864 | 75 | 67.5 |
| | 1152x864 | 85 | 77.1 |
| | 1280x1024 | 60 | 64.0 |
| | 1280x1024 | 72 | 77.0 |
| | 1280x1024 | 75 | 80.0 |
| | 1280x1024 | 85 | 91.1 |
| QuadVGA | 1280x960 | 60 | 60.0 |
| | 1280x960 | 75 | 75.2 |
| SXGA+ | 1400x1050 | 60 | 65.3 |
| UXGA | 1600x1200 | 60 | 75.0 |
| PowerBook G4 | 640x480 | 60 | 31.4 |
| PowerBook G4 | 640x480 | 66.6(67) | 34.9 |
| PowerBook G4 | 800x600 | 60 | 37.9 |
| PowerBook G4 | 1024x768 | 60 | 48.4 |
| PowerBook G4 | 1152x870 | 75 | 68.7 |
| PowerBook G4 | 1280x960 | 75 | 75.0 |
| i Mac DV (G3) | 1024x768 | 75 | 60.0 |

2    HDMI - Extended Wide timing

| Modes | Resolution | V.Frequency [Hz] | H.Frequency [KHz] |
|---|---|---|---|
| WXGA | 1280x768 | 60 | 47.8 |
| | 1280x768 | 75 | 60.3 |
| | 1280x768 | 85 | 68.6 |
| | 1280x720 | 60 | 44.8 |
| | 1280x800-RB | 120 | 101.6 |
| | 1280x800 | 60 | 49.6 |
| | 1440x900 | 60 | 59.9 |
| WSXGA+ | 1680x1050 | 60 | 65.3 |
| | 1920x1080 (1080P) | 60 | 67.5 |
| | 1920x1080 | 120 | 135 |

| | 1366x768 | 60 | 47.7 |
|---|---|---|---|
| WUXGA | 1920x1200-RB | 59.9 | 74.0 |
| UHD | 3840x2160 | 60.0 | 135.0 |

3    HDMI - Video Signal

| Modes | Resolution | V.Frequency [Hz] | H.Frequency [KHz] |
|---|---|---|---|
| 480i | 720(1440)x480 4:3 | 59.94(29.97) | 15.7 |
| 480i | 720(1440)x480 16:9 | 59.94(29.97) | 15.7 |
| 480i | 2880x480 16:9 | 59.94(29.97) | 15.7 |
| 576i | 720(1440)x576 4:3 | 50(25) | 15.6 |
| 576i | 720x576(1440x576) 16:9 | 50(25) | 15.6 |
| 576i | 2880x576 16:9 | 50(25) | 16.6 |
| 480p | 720x480 4:3 | 59.9 | 31.5 |
| 480p | 720x480 16:9 | 59.9 | 31.5 |
| 480p | 1440x480 16:9 | 59.9 | 31.5 |
| 576p | 720x576 4:3 | 50 | 31.3 |
| 576p | 720x576 16:9 | 50 | 31.3 |
| 576p | 1440x576 16:9 | 50 | 31.3 |
| 720p | 1280x720 | 60 | 45.0 |
| 720p | 1280x720 | 50 | 37.5 |
| 1080i | 1920x1080 | 60(30) | 33.8 |
| 1080i | 1920x1080 | 50(25) | 28.1 |
| 1080p | 1920x1080 | 23.97/24 | 27.0 |
| 1080p | 1920x1080 | 60 | 67.5 |
| 1080p | 1920x1080 | 50 | 56.3 |
| 1080p | 1920x1080 | 25 | 28.1 |
| 1080p | 1920x1080 | 30 | 33.8 |
| UHD | 3840x2160 | 24.0 | 54.0 |
| UHD | 3840x2160 | 25.0 | 56.3 |
| UHD | 3840x2160 | 30.0 | 67.5 |
| UHD | 3840x2160 | 50.0 | 112.5 |
| UHD | 3840x2160 | 60.0 | 135.0 |
| 4K2K | 4096x2160 | 24.0 | 54.0 |
| 4K2K | 4096x2160 | 25.0 | 56.3 |
| 4K2K | 4096x2160 | 30.0 | 67.5 |
| 4K2K | 4096x2160 | 50.0 | 112.5 |
| 4K2K | 4096x2160 | 60.0 | 135.0 |

## 4 HDMI - 1.4a 3D Timing

| Modes | Resolution | V.Frequency [Hz] | H.Frequency [KHz] |
|---|---|---|---|
| 720p (Frame Packing) | 1280x720 | 50 | 37.5 |
| 720p (Frame Packing ) | 1280x720 | 60 | 45.0 |
| 1080p (Frame Packing ) | 1920x1080 | 24 | 27.0 |
| 720p (Top and Bottom ) | 1280x720 | 50 | 37.5 |
| 720p (Top and Bottom ) | 1280x720 | 60 | 45.0 |
| 1080i (Top and Bottom) | 1920x1080 | 50(25) | 28.1 |
| 1080i (Top and Bottom) | 1920x1080 | 60(30) | 33.8 |
| 1080p (Top and Bottom) | 1920x1080 | 24 | 27.0 |
| 1080p (Top and Bottom) | 1920x1080 | 50 | 56.3 |
| 1080p (Top and Bottom) | 1920x1080 | 60 | 67.5 |
| 720p (Side by Side (Half)) | 1280x720 | 60 | 45.0 |
| 1080i (Side by Side (Half)) | 1920x1080 | 50(25) | 28.1 |
| 1080i (Side by Side (Half)) | 1920x1080 | 60(30) | 33.8 |
| 1080p (Side by Side (Half)) | 1920x1080 | 50 | 56.3 |
| 1080p (Side by Side (Half)) | 1920x1080 | 60 | 67.5 |
| Graphic source monitor range limits | Horizontal scan rate: | 15k-135kHz | |
| | Vertical scan rate: | 24-120Hz | |
| | Max. pixel rate: | Digital: 600MHz | |

**Note:** Functions vary depending on model definition.

# 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 a la norme NMB-003 du Canada.

**Compliant with Russian/ Ukraine regulatory certification**

## 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-247)

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 the local office in the country of use. Please see http://ec.europa.eu/enterprise/rtte/implem.htm for the latest country list.

CE

**acer**

**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

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

| | |
|---|---|
| **Product:** | **DLP Projector** |
| **Trade Name:** | **Acer** |
| **Model Number:** | **D4K1736/D4K1731** |
| **Marketing name:** | **H6820M/V6820M/E8620/E8620C/ET-4K17/HT-4K17/** |
| | **GM836/HV836/VH-737/TH-737/H6820i/V6820i** |

We, Acer Incorporated, hereby declare under our sole responsibility that the product described above is in conformity with the relevant Union harmonization legislations as below Directive and following harmonized standards and/or other relevant standards have been applied:

**☒EMC Directive: 2014/30/EU**

| ☒ EN 55032:2012+AC:2013, Class B | ☒ EN 61000-3-2:2014, Class A | |
|---|---|---|
| ☒ EN 55024:2010+A1:2015 | ☒ EN 61000-3-3:2013 | |

**☐ R&TTE Directive: 1999/5/EC (until Jun 12, 2017)**
**☐ RED Directive: 2014/53/EU (From Jun 13, 2017)**

| ☐ EN 300 328 V1.8.1 | ☐ EN 301 511 V9.0.2 | ☐ EN 301 489-7 V1.3.1 | |
|---|---|---|---|
| ☐ EN 301 893 V1.7.1 | ☐ EN 301 908-1 V6.2.1 | ☐ EN 301 489-17 V2.2.1 | |
| ☐ EN 300 440-1 V1.6.1 | ☐ EN 301 908-2 V6.2.1 | ☐ EN 301 489-24 V1.5.1 | |
| ☐ EN 300 440-2 V1.4.1 | ☐ EN 301 908-13 V6.2.1 | ☐ EN 50360:2001 | ☐ EN 50566:2013 |
| ☐ EN 302 291-1 V1.1.1 | ☐ EN 301 489-1 V1.9.2 | ☐ EN 62479:2010 | ☐ EN 62311:2008 |
| ☐ EN 302 291-2 V1.1.1 | ☐ EN 301 489-3 V1.6.1 | ☐ EN 62209-1:2006 | ☐ EN 62209-2:2010 |

**☒ LVD Directive: 2014/35/EU**

| ☒ EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013 | |
|---|---|
| ☐ EN 50332-1:2000 | ☐ EN 50332-2:2003 |

**☒ RoHS Directive: 2011/65/EU**

| ☒ EN 50581:2012 |
|---|

**☒ ErP Directive: 2009/125/EC**

| ☐ Regulation (EU) No. 617/ 2013 | ☐ Regulation (EC) No. 278/2009; EN 50563:2011 |
|---|---|
| ☒ Regulation (EC) No. 1275/2008; EN 50564:2011 | |

**Year to begin affixing CE marking 2018.**

_____
**RU Jan / Sr. Manager**
**Acer Incorporated (Taipei, Taiwan)**

**Mar 24, 2018**
Date

v

# CE

## acer

**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

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

| | |
|---|---|
| **Product:** | **DLP Projector** |
| **Trade Name:** | **Acer** |
| **Model Number:** | **D4K1736/D4K1731** |
| **Marketing name:** | **H6820i/V6820i** |

We, Acer Incorporated, hereby declare under our sole responsibility that the product described above is in conformity with the relevant Union harmonization legislations: Directive 2014/53/EU on Radio Equipment, RoHS Directive 2011/65/EU and ErP Directive 2009/125/EC. The following harmonized standards and/or other relevant standards have been applied:

☒ Electromagnetic compatibility

| | | |
|---|---|---|
| ☒ EN 55032:2015+AC:2016, Class B | ☒ EN 55024: 2010+A1:2015 | ☐ EN 301 489-7 V1.3.1 |
| ☒ EN 61000-3-2:2014 Class D | ☒ EN 301 489-1 V2.1.1 | ☒ EN 301 489-17 V3.1.1 |
| ☒ EN 61000-3-3:2013 | ☐ EN 301 489-3 V1.6.1 | ☐ EN 301 489-24 V1.5.1 |

☒ Radio frequency spectrum usage

| | | |
|---|---|---|
| ☒ EN 300 328 V2.1.1 | | |
| ☐ EN 300 440-1 V1.6.1 | ☐ EN 302 291-2 V1.1.1 | ☐ EN 301 908-1 V7.1.1 |
| ☐ EN 300 440-2 V1.4.1 | ☐ EN 301 511 V9.0.2 | ☐ EN 301 908-2 V6.2.1 |
| ☐ EN 302 291-1 V1.1.1 | ☒ EN 301 893 V2.1.1 | ☐ EN 301 908-13 V6.2.1 |

☒ Healthy and Safety

| | | |
|---|---|---|
| ☒ EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013 | | ☐ EN 50360: 2001/A1: 2012 |
| ☐ EN 62209-1:2006 | ☐ EN 62311:2008 | ☐ EN 50566:2013 |
| ☐ EN 62209-2:2010 | ☐ EN 62479:2010 | |

☒ RoHS

| |
|---|
| ☒ EN 50581:2012 |

☒ ErP

| | |
|---|---|
| ☐ Regulation (EU) No. 617/ 2013 | ☐ Regulation (EC) No. 278/2009; EN 50563:2011 |
| ☒ Regulation (EC) No. 1275/ 2008; EN 50564:2011 | |

This radio equipment operates with the following frequency bands and maximum radio-frequency power:

| Frequency bands | GSM | | UMTS | LTE | Bluetooth | WLAN | |
|---|---|---|---|---|---|---|---|
| | 850/900 | 1800/1900 | | | | 5GHz | 2.4GHz |
| Maximum radio-frequency power | 2W | 1W | 0.25W | 0.2W | <20dBm | <23dBm | <20dBm |

**Year to begin affixing CE marking 2018.**

_____
**RU Jan / Sr. Manager**
**Acer Incorporated (Taipei, Taiwan)**

**Mar 24, 2018**
Date

**acer**

**FC**

# 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:

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|---|---|
| **Product:** | **DLP Projector** |
| **Model Number:** | **D4K1736/D4K1731** |
| **Machine Type:** | **H6820M/V6820M/E8620/E8620C/ET-4K17/ HT-4K17/GM836/HV836/VH-737/TH-737/ H6820i/V6820i** |
| **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** |