PRJAND805

Android 4.2, Dual Core Processor,
3D Multimedia Stereo Mini Projector with Wi-Fi

User's Manual

Please read this manual carefully before operating your projector
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CAUTION

As an A-class product, the projector may cause radio interference
Users shall take effective measures to deal with it.

- Image shown may differ from your projector.
- Your projector’s OSD (On Screen Display) may differ slightly from that shown in this manual.
SAFETY INSTRUCTIONS

Please take note of the safety instructions to prevent any potential accident or misuse of the projector.

Read these instructions.
Keep these instructions.
Heed all warnings.
Follow all instructions.

Indoor installation

• Do not place the projector in direct sunlight or near heat sources such as radiators, fires, stoves, etc.
  - This may cause a fire.

• Do not place flammable materials such as aerosols near the projector.
  - This may cause a fire.

• Do not allow your children to cling to or climb up to the projector.
  - The projector may fall down and cause personal injury or death.

• Do not place the projector directly on a carpet, rug or place where ventilation is restricted such as a bookshelf or closet.
  - This may cause the projector’s internal temperature to rise and cause a fire.

• Do not place the projector close to sources of steam or oil such as a humidifier or kitchen counter.
  - This may cause a fire hazard or an electric shock.

• Do not place the projector where it might be exposed to excessive dust.
  - This may cause a fire.
SAFETY INSTRUCTIONS

Do not use the projector in a damp place such as a bathroom where it is likely to get wet.
- This may cause a fire or an electric shock.

Do not allow a tablecloth or curtain to block the vents.
- This may cause the internal temperature of the projector to rise and cause a fire.

The distance between the projector and the wall should be more than 30 cm for ventilation purposes.
- Otherwise, this may cause the internal temperature of the projector to rise and cause a fire.

Caution

The earth wire should be connected.
- Inappropriate earth grounding may cause damage to the projector or an electric shock when there is an electrical surge. If the projector must be installed at a place where earth grounding is not possible, purchase a circuit breaker and connect the projector to its wall outlet. Do not ground the projector to the gas pipe, water pipe, lightning rod, or telephone line, etc.

The power plug should be fully inserted into the wall outlet.
- Unstable connection may cause a fire.

Do not place heavy objects on the power cord or place the cord underneath the projector.
- This may cause a fire or an electric shock.

Never touch the power plug with a wet hand.
- This may cause an electric shock.

Do not connect too many devices to the same power extension.
- Overheating may cause a fire.

Remove dust or contaminants around power plug pins or wall outlets.
- This may cause a fire.

To turn off the main power, remove the power plug, which should be positioned so it is easy to access for operation.

Power

Supported Monitor Display

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Horizontal Frequency (kHz)</th>
<th>Vertical Frequency (Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>640*350</td>
<td>31.468</td>
<td>70.09</td>
</tr>
<tr>
<td>720*400</td>
<td>31.469</td>
<td>70.08</td>
</tr>
<tr>
<td>640*480</td>
<td>31.469</td>
<td>59.94</td>
</tr>
<tr>
<td>800*600</td>
<td>37.879</td>
<td>60.31</td>
</tr>
<tr>
<td>1024*768</td>
<td>48.363</td>
<td>60.00</td>
</tr>
<tr>
<td>1152*864</td>
<td>54.348</td>
<td>60.053</td>
</tr>
<tr>
<td>1280*800</td>
<td>49.68</td>
<td>60</td>
</tr>
<tr>
<td>1360*768</td>
<td>47.712</td>
<td>60.015</td>
</tr>
<tr>
<td>1280*1024</td>
<td>63.981</td>
<td>60.020</td>
</tr>
<tr>
<td>1400*1050</td>
<td>65.317</td>
<td>59.979</td>
</tr>
<tr>
<td>1680*1050</td>
<td>65.3</td>
<td>60</td>
</tr>
</tbody>
</table>

If an invalid signal is input into the projector, it will not be displayed properly on the screen or a message such as “No Signal” or “Invalid Mode” will be displayed.

The projector supports the DDC1/2B type as the Plug & Play function (Auto-recognition of PC monitor).

PC synchronization signal types supported:
Separate type synchronization. yin PC mode, 1280 x 800 is recommended for the best picture quality.

Component port connecting information

<table>
<thead>
<tr>
<th>Signal</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>480i / 576i</td>
<td>o</td>
</tr>
<tr>
<td>480p / 576p</td>
<td>o</td>
</tr>
<tr>
<td>720p / 1080i</td>
<td>o</td>
</tr>
</tbody>
</table>
### SAFETY INSTRUCTIONS

#### Warning

When in Use

- Hold the plug firmly when unplugging. A broken wire in the cord may cause a fire.
- Ensure the power cord or plug is not damaged, modified, severely bent, twisted, pulled, sandwiched or heated. Do not use a loose wall outlet. This may cause a fire or an electric shock.
- Keep the power cord away from any heating devices. The cord coating may melt and cause an electric shock.
- Place the projector where people will not trip over or tread on the power cord or plug to protect the power cord and plug from any damage. This may cause a fire hazard or an electric shock.
- Do not turn the projector on or off by plugging in the power plug or unplugging it from the wall outlet. (Do not use the power plug as a switch.) This may cause an electric shock or damage to the projector.
- Do not insert a conductor into the other side of the wall outlet while the power plug is inserted into the wall outlet. In addition, do not touch the power plug immediately after it is disconnected from the wall outlet. This may cause an electric shock.
- Use only the official power cord. Otherwise it may cause a fire or an electric shock.
- Do not use the projector near an electronic device which generates a strong magnetic field.
- Store the vinyl envelope used to pack the projector in a safe place away from children. It could cause suffocation if used improperly.

#### CAUTION

- Do not place anything containing liquid, such as a vase, flowerpot, cup, cosmetics, chemicals, decorations or candles, etc., on top of the projector. Possible fire, electric shock, or falling may cause physical injury.
- In the event that there is a big impact to the projector or the cabinet is damaged, switch it off, unplug it from the wall outlet and contact an authorized service center. Otherwise, this may cause a fire or an electric shock.
- Do not insert pieces of metal such as coins, hairpins or metal debris, nor flammable materials such as paper or matches into the projector. This may cause a fire or an electric shock.
- In the event that liquid or a foreign object falls into the projector, please switch it off and unplug it from the wall outlet and contact an HTP Service Center. Otherwise, this may cause a fire or an electric shock.
- When replacing a battery of the remote control, make sure a child does not swallow the battery. Keep the battery out of reach of children. In the case of a battery being swallowed by a child, please consult a doctor immediately.
- Do not remove any covers except for the lens cap. There is a high risk of electric shock.
- Do not look directly into the lens when the projector is in use. The strong light may damage your eyes.
- When the lamp is on or has just been turned off, avoid touching the air vent or lamp because these will be very hot.
- If there is a gas leak, do not touch the wall outlet. Open the window for ventilation. A spark may cause a fire or burn.
- Never touch the projector or power cord during thunder or lightning. This may cause an electric shock.

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Resolution (pixel)</th>
<th>1280 (Horizontal) x 800 (Vertical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspect Ratio</td>
<td>16:10 (Horizontal:Vertical)</td>
</tr>
<tr>
<td>Projection Distance (video size)</td>
<td>0.45”</td>
</tr>
<tr>
<td>Ratio of Upward Projection</td>
<td>100%</td>
</tr>
<tr>
<td>Working Range of Remote</td>
<td>10 feet</td>
</tr>
<tr>
<td>Video Input</td>
<td>NTSC M/PAL-B, D, G, H, I/PAL N/PAL 60/SECAM</td>
</tr>
<tr>
<td>AC-DC Adapter</td>
<td>110/120V 19 V, 3.7A</td>
</tr>
<tr>
<td>Audio Output</td>
<td>1W + 1W</td>
</tr>
<tr>
<td>Height</td>
<td>1.45” (without stand) to 1.57” (with stand)</td>
</tr>
<tr>
<td>Width</td>
<td>6.4”</td>
</tr>
<tr>
<td>Depth</td>
<td>4.4”</td>
</tr>
<tr>
<td>Weight</td>
<td>3.55 lbs</td>
</tr>
<tr>
<td>USB Device</td>
<td>5 V, 0.5 A (Max.)</td>
</tr>
</tbody>
</table>

### Operation Environment

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Operation</th>
<th>32°F - 104°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
<td>-4°F - 140°F</td>
<td></td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>Operation</td>
<td>0% - 80%</td>
</tr>
<tr>
<td>Storage</td>
<td>0% - 85%</td>
<td></td>
</tr>
</tbody>
</table>
• Do not use 3D glasses if you do not watch 3D.
• Do not keep your hand on the projector for a long time when it is running. When you play a game by connecting a game console to a projector, it is recommended that you maintain a distance of more than four times the diagonal length of the screen.
• Make sure that the length of connecting cable is long enough.
• Otherwise, the product may fall causing personal injury or damage to the product.

CAUTION

• Do not place a heavy object on the projector. It may fall down and cause physical injury.
• Be careful to prevent the lens from heavy impact during transportation.
• Do not touch the lens. The lens may be damaged.
• Do not use any sharp tools on the projector such as a knife or hammer, because this may damage the casing.
• In the event that no image appears on the screen, switch the projector off, unplug it from the wall outlet and contact an authorized service center. Otherwise, this may cause a fire or an electric shock.
• Do not drop an object onto the projector or apply heavy pressure to it. This may cause injury to persons or damage to the projector.
• The distance between your eyes and the screen must be around 5 - 7 times the diagonal length of the screen. If you watch the screen at a close distance for a long time, your eye sight may become worse.

CLEAN

CAUTION

• Do not place a heavy object on the projector. It may fall down and cause physical injury.
• Be careful to prevent the lens from heavy impact during transportation.
• Do not touch the lens. The lens may be damaged.
• Do not use any sharp tools on the projector such as a knife or hammer, because this may damage the casing.
• In the event that no image appears on the screen, switch the projector off, unplug it from the wall outlet and contact an authorized service center. Otherwise, this may cause a fire or an electric shock.
• Do not drop an object onto the projector or apply heavy pressure to it. This may cause injury to persons or damage to the projector.
• The distance between your eyes and the screen must be around 5 - 7 times the diagonal length of the screen. If you watch the screen at a close distance for a long time, your eye sight may become worse.

MAINTENANCE

Clean your projector to keep it in optimum condition.

Cleaning the Projector

Cleaning the Lens

• If there is any dust or staining on the lens surface, you must clean the lens. Use an air spray or a cleaning cloth to clean the lens.
• To remove dust or stains, use an air spray or apply a small amount of cleaning agent onto a swab or soft cloth to lightly rub the lens.
• Please be aware that liquid may flow onto the lens if the product is sprayed directly onto the lens.

Cleaning the Projector Case

• To clean the projector case, first unplug the power cord. To remove dust or stains, use only a dry, lint-free, nonabrasive cloth to polish the lens.
• Do not use alcohol, benzene, thinners or other chemicals, which may damage the case.

WARNING

Do not spray the projector with water when cleaning. Do not allow water to go into the projector or do not allow it to get wet. This may cause a fire or an electric shock.

When there is smoke or a strange smell coming out from the projector or a foreign object falls into the projector, please switch it off and unplug it from the power outlet and contact HTP. If not, this may cause a fire or an electric shock.

Use an air spray or soft cloth or cotton swab moistened with a lens cleaning chemical or alcohol to remove dust or stains on the front projection lens.

CLEANING THE PROJECTOR

CAUTION

Contact your seller or the Service Center once a year to clean the internal parts of the projector.
• If you do not clean the contaminated interior of the projector for a long time, there may be a fire or damage to the projector.

When cleaning plastic parts such as the projector case, unplug the power first and wipe with a soft cloth. Do not spray with water or wipe with a wet cloth. When cleaning the plastic parts, such as the projector case, do not use cleanser, automobile or industrial shiner, abrasive or wax, benzene, alcohol, etc., which can damage the product.
• This can cause fire, electric shock or product damage (deformation, corrosion and damage).

CAUTION

Contact your seller or the Service Center once a year to clean the internal parts of the projector.
• If you do not clean the contaminated interior of the projector for a long time, there may be a fire or damage to the projector.

When cleaning plastic parts such as the projector case, unplug the power first and wipe with a soft cloth. Do not spray with water or wipe with a wet cloth. When cleaning the plastic parts, such as the projector case, do not use cleanser, automobile or industrial shiner, abrasive or wax, benzene, alcohol, etc., which can damage the product.
• This can cause fire, electric shock or product damage (deformation, corrosion and damage).
4 Wi-Fi setting

Press setting button to enter into Wi-Fi

* Click need to delete the software icon, it will delete dialogue interface.

5 Installation and removal procedure

* setting unknown source

Please use the GOOGLE MARKET program, if you install none GOOGLE MARKET recognition program, please set the installation of the unknown source at "Settings" - "security":

Click on the "uninstall", you can delete the software.

6 Language and Input

Select the language and common input method
Please use the "set" - * language and input*

* The installation of the program

Please download the different application software from the Internet. You must use the APK program: download a good program, Click Install, you can also from other storage The device Android program (online; Download the program will be displayed in the status bar, or Enter the toolbar Click to download software, click Install)

* Remove program

Enter the settings - "application", will set up.

OTHERS

CAUTION

• Unplug the power cord if the projector is not used for a long period.
  - Otherwise, this may cause overheating, an electric shock from corroded insulation and a fire from an electrical surge.

• Only use the specified type of battery.
  - Otherwise, this may cause an electric shock caused by overheating and leakage.

WARNING

• Only a qualified technician can disassemble or modify the projector. For inspection, adjustment, or repair, contact your seller or the Service Center.
  - Otherwise, this may cause a fire or an electric shock.

• Dispose of the used battery properly.
  - Otherwise, this may result in explosion or fire.

• The correct method of disposal may vary depending on your country or region. Dispose of the battery pack according to the appropriate instructions.

• Do not throw or disassemble the battery.
  - Otherwise, this may result in fire or explosion due to damage to the battery.

• Always use batteries approved and certified by LG Electronics.
  - Otherwise, this may result in fire or explosion.

• Store the battery away from metallic objects, such as keys and paper clips.

• Excess current may cause a rapid increase in temperature, resulting in fire or burns.

• Do not store the battery near any heat source, such as a heater.
  - This may result in fire or damage the product.

• Do not store it at temperatures higher than 60 °C or in high humidity.

• Keep the battery out of reach of children.
  - This may result in personal injury or damage to the product.

• Make sure that the battery is installed correctly.
  - Incorrect battery replacement may cause fire.
PREPARATION

Accessories
Check enclosed accessories. The picture may be different from an actual product.

Remote Control  User’s Manual  Warantee Card

Power cord  Composite Gender  AC-DC Adaptor

ANDROID SPECIFICATIONS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>DUAL CORE PROCESSOR 1.2GHz</td>
</tr>
<tr>
<td>DRAM</td>
<td>1G DDR3 RAM, 4GB Flash Memory</td>
</tr>
<tr>
<td>NAND Flash</td>
<td>4G</td>
</tr>
<tr>
<td>WiFi</td>
<td>SUPPORT 802.11 b/g/n</td>
</tr>
<tr>
<td>USB</td>
<td>1 piece</td>
</tr>
<tr>
<td>USB OTG</td>
<td>1 piece</td>
</tr>
<tr>
<td>CPU SYSTEM</td>
<td>Android 4.2</td>
</tr>
<tr>
<td>Support video</td>
<td>MPEG4, AVI, FLV, WMV, 3PG, MP4, TS, DAT, WKV, MOV</td>
</tr>
<tr>
<td>Support audio</td>
<td>MP3, WMA, WAV, APE, FLAC, AAC, OGG</td>
</tr>
<tr>
<td>Support picture</td>
<td>JPEG, BMP, GIF, PNG</td>
</tr>
<tr>
<td>Support Text</td>
<td>PDF, WORD, EXCEEL, PPT, TXT</td>
</tr>
<tr>
<td>Language</td>
<td>English</td>
</tr>
</tbody>
</table>

USING ANDROID

1. Using the Android, the signal source, press the S button. Switch to Android, Android system into the main interface.

2. Use ► or ◄ buttons to select items or flip

3. Click on the "my application", will appear all the procedure tool icons.
Component Connection

You can enjoy vivid images when you connect an external device with a RGB IN port to the component port of the projector. Press the S button on the remote control to select YPbPr.

Connecting to the Headphones

You can listen to the audio through a headphone.

When connecting a cable to the HDMI or USB port, it may not be connected properly if the size of jack to the USB/HDMI port is too big. Use a standard sized jack.
**Parts and Components**

* The projector is manufactured using high-precision technology. You may, however, see tiny black dots and/or bright colored dots (red, blue or green) that continuously appear on the projector screen. This is a normal result of the manufacturing process and does not indicate a malfunction. When powered on, the LED of the control panel turns on.

* Power system initialization for about 10 seconds, press the red indicator light at the power button to let the power on.

### Button Description

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Lamp)</td>
<td>Turns the projector on or off.</td>
</tr>
<tr>
<td>(Menu)</td>
<td>Selects or closes menus.</td>
</tr>
<tr>
<td>∧, ∨, &lt;, &gt;</td>
<td>Sets the function or moves the cursor</td>
</tr>
<tr>
<td>(OK)</td>
<td>Checks present mode and saves function changes</td>
</tr>
</tbody>
</table>

1. Due to the high temperature air coming out of the vents, do not get close to the vents.
2. Do not touch the lens when using the projector. The lens may be damaged.

---

**Connecting to the AV**

Connect the output ports of an external device and the AV INPUT port of the projector. Press the INPUT button to select AV.

You can connect the audio cable without using a gender as shown in the illustration above.
Connecting to an HD Receiver, DVD, or VCR Player

Connect an HD receiver, DVD, or VCR player to the projector and select an appropriate input mode.

HDMI Connection

With an HDMI cable, you can enjoy high quality picture and sound. Press the INPUT button on the remote control to select HDMI.

Connecting to a PC

The projector supports Plug & Play. A PC will automatically recognize the projector and requires no driver to be installed.

RGB Connection

Connect the PC output and the PC video input port of the projector with the RGB cable. For audio signal, connect the PC and the projector with an optional audio cable.

Installation

Installation Precautions

- Place the projector in a well-ventilated environment.
- Do not place the projector in a hot, cold, or humid environment. (See page regarding operating temperature and humidity.)
- Do not place the projector in a place where it will easily attract dust.
- This may cause a fire.
- Do not remove any covers except for the lens cap. There is a high risk of electric shock.
- The projector is manufactured using high-precision technology. You may, however, see tiny black dots and/or bright colored dots (red, blue, or green) that continuously appear on the projector screen. This is a normal result of the manufacturing process and does not indicate a malfunction.
- The remote control may not work in an environment where a lamp equipped with electronic ballasts or a three-wavelength fluorescent lamp is installed. Replace the lamp with an internationally standardized lamp for the remote control to work normally.
- Do not place the projector on a carpet or rug. If a projector model has its inlet vent on its bottom, do not block the vent and use the projector on a leveled solid surface.
- Be sure to prevent foreign objects such as paper debris from entering the projector.
- Leave an adequate distance (30 cm or more) around the projector.

Place the projector in a well-ventilated environment.

To prevent internal heat from building up, install the projector in a well-ventilated place.

Do not place anything near the projector as this may block its air vents. If the air vents are blocked, the internal temperature will increase.

Do not place the projector on a carpet or rug. If a projector model has its inlet vent on its bottom, do not block the vent and use the projector on a leveled solid surface.

Be sure to prevent foreign objects such as paper debris from entering the projector.

Leave an adequate distance (30 cm or more) around the projector.
Projection Distance per Screen Size

1. Place the projector on a sturdy, level surface, together with the PC or audio/video source.

2. Place the projector at an appropriate distance from the screen. The distance between the projector and the screen determines the actual size of the image.

3. Position the projector so that the lens is set at a right angle to the screen. If the projector is not set at a right angle, the image on the screen will be tilted and the image quality will be poor. If the screen image is crooked, use the Keystone function. (see page 52)

4. Connect the power cords of the projector and the connected devices to the wall outlet.

<table>
<thead>
<tr>
<th>Screen Size (mm)</th>
<th>Screen Width (Y) (mm)</th>
<th>Screen Height (X) (mm)</th>
<th>Projection Distance (D) (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>635/25</td>
<td>538</td>
<td>337</td>
<td>645</td>
</tr>
<tr>
<td>762/30</td>
<td>646</td>
<td>404</td>
<td>775</td>
</tr>
<tr>
<td>889/35</td>
<td>754</td>
<td>471</td>
<td>904</td>
</tr>
<tr>
<td>1016/40</td>
<td>861</td>
<td>539</td>
<td>1033</td>
</tr>
<tr>
<td>1143/45</td>
<td>969</td>
<td>606</td>
<td>1132</td>
</tr>
<tr>
<td>1270/50</td>
<td>1077</td>
<td>673</td>
<td>1292</td>
</tr>
<tr>
<td>1397/55</td>
<td>1185</td>
<td>741</td>
<td>1422</td>
</tr>
<tr>
<td>1524/60</td>
<td>1292</td>
<td>808</td>
<td>1550</td>
</tr>
<tr>
<td>1651/65</td>
<td>1400</td>
<td>875</td>
<td>1680</td>
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<td>1778/70</td>
<td>1508</td>
<td>943</td>
<td>1809</td>
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<tr>
<td>1905/75</td>
<td>1615</td>
<td>1010</td>
<td>1938</td>
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<tr>
<td>2032/80</td>
<td>1723</td>
<td>1077</td>
<td>2067</td>
</tr>
<tr>
<td>2159/85</td>
<td>1831</td>
<td>1145</td>
<td>2197</td>
</tr>
<tr>
<td>2286/90</td>
<td>1938</td>
<td>1212</td>
<td>2325</td>
</tr>
<tr>
<td>2413/95</td>
<td>2046</td>
<td>1279</td>
<td>2476</td>
</tr>
<tr>
<td>2540/100</td>
<td>2154</td>
<td>1347</td>
<td>2584</td>
</tr>
</tbody>
</table>

Making Connections

You can connect various external devices to the ports on the projector.
### SETUP Menu

1. Press the Setting button.
2. Use the or button to select PICTURE and press the OK button.
3. Use the or button to set up a desired item and press the OK button.
4. Use the or button to adjust the settings.
5. When you are finished, press EXIT.

The available option settings are described as follows.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language</td>
<td>Selects a desired Menu Language.</td>
</tr>
<tr>
<td>Initial settings</td>
<td>Resets all the projector settings to the factory default.</td>
</tr>
<tr>
<td>Menu Transparency</td>
<td>Selects menu transparency</td>
</tr>
<tr>
<td>Menu disappear time</td>
<td>Selects menu disappear time</td>
</tr>
<tr>
<td>Software update(USB)</td>
<td>Projector software update (USB)</td>
</tr>
</tbody>
</table>

---

### How to Install the Projector Using a Tripod

- You can install the projector using a camera tripod. As shown below, you can mount the projector instead of a camera on the tripod.

- When stabilizing the tripod, we recommend using the locking bolt of standard size 4.5 mm or less. The maximum size allowed for the locking bolt is 5.5 mm. (If it is longer than the maximum allowed size, it may damage the projector.)

![Diagram of projector on tripod]

- Bottom side of the projector
- This is the bolt to fix the projector
- The projector is connected to this part

Triod
REMOTE CONTROL

Open the remote control on the back of the battery compartment cover and follow the instructions to load the specified battery.

---

**REMOTE CONTROL**

3D Mode SETTING

1. Press the Setting button.
2. Use the ◀ or ▶ button to select 3D mode.
3. Use the ▲ or ▼ button to set up a desired item and press the OK button.
4. Use the ◀ or ▶ button to adjust all the settings.
5. When you are finished, press EXIT.

The available settings are described as follows.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3D mode</td>
<td>STANDARD 2D</td>
</tr>
<tr>
<td></td>
<td>2D to 3D</td>
</tr>
<tr>
<td></td>
<td>L/R MODE 3D</td>
</tr>
<tr>
<td></td>
<td>U/D MODE 3D</td>
</tr>
<tr>
<td>3D depth</td>
<td>ADJUST 3D DEPTH</td>
</tr>
<tr>
<td></td>
<td>3D DEPTH IS AVAILABLE ONLY WHEN 2D CONVERTING TO 3D</td>
</tr>
<tr>
<td>3D L/R</td>
<td>OPTION</td>
</tr>
</tbody>
</table>

---

**Power**
- Turn on/off the power

**Trapezoid adjustment shortcut key**

**Menu key**
- Open or switch the parameter menu

**Property key**
- Display the file property under Android mode

**Main menu key**

**Mouse mode key**

**Screen size function key**
- When in PC mode, adjust screen size automatically

**Previous key**

**Pause key**

**Next key**

---

**Android mode**

**Channel edit mode**

**Manual search mode**

**Red**
- Browser
- Delete

**Green**
- My application
- Rename

**Yellow**
- Settings
- Remove

**Blue**
- Files browsing
- Skip

**Mute**
- Open close the volume

**Volume key**

**Source key**
- AV/PC/YPbPr/DMP, select the source

**Direction key**
- Adjust parameter in menu mode

**Exit key**

**3D mode key**

**Left-right image switch function key**
- Press scale to switch between 16:9 and 4:3 screen size. Then, press the L/R button if you wish to view the 25 screen size options available.

**Rew key**

**Play/Pause key**

**FF key**
TIME Settings

1. Press the SETTINGS button.
2. Use the or button to select TIME.
3. Use the or button to set up a desired item and press the OK button.
   - To return to the previous menu, press the MENU button.
4. Use the or button to adjust the settings.
5. When you are finished, press EXIT.

The available time settings are described as follows.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIME ITEM</td>
<td></td>
</tr>
<tr>
<td>DATE</td>
<td></td>
</tr>
<tr>
<td>MONTH</td>
<td></td>
</tr>
<tr>
<td>YEAR</td>
<td></td>
</tr>
<tr>
<td>HOUR</td>
<td></td>
</tr>
<tr>
<td>MINUTE</td>
<td></td>
</tr>
<tr>
<td>SLEEP TIMER</td>
<td>The projector is turned off at the preset time.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Android mode</td>
<td>Browser</td>
</tr>
<tr>
<td>Channel edit mode</td>
<td>Delete</td>
</tr>
<tr>
<td>Green</td>
<td>My application</td>
</tr>
<tr>
<td>Yellow</td>
<td>Settings</td>
</tr>
<tr>
<td>Blue</td>
<td>Files browsing</td>
</tr>
</tbody>
</table>

**CAUTION**

- When using the remote control, the optimal remote range is less than 3 meters (left/right) and within a 30 degree arc of the IR receiver.
- For seamless operation, do not block the IR receiver.
- When you carry the remote control in the portable bag, make sure that the buttons on the remote control are not pressed by the projector, cables, documents or any other accessories in the bag. Otherwise, it may significantly reduce the battery life.
Using the PROJECTOR

Watching Projector

Turning on the Projector

1. Connect the power cord correctly.
2. After waiting for a moment, press the POWER button on the remote control or the control panel. (The light on the control panel will be turned on.)
3. In the Language Selection screen, select a language.
4. Select an input signal by using the INPUT button on the remote control.

Focus and Position of the Screen Image

When an image appears on the screen, check if it is in focus and fits the screen properly.

To adjust the focus of the image, rotate the focus ring.

? To turn the projector off, press the POWER button.

The available audio settings are described as follows.

<table>
<thead>
<tr>
<th>SETTING</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sound Mode</td>
<td>Adjusts sound.</td>
</tr>
<tr>
<td>Option</td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>Select when you want standard-quality sound.</td>
</tr>
<tr>
<td>Music</td>
<td>Select when you listen to music.</td>
</tr>
<tr>
<td>Movie</td>
<td>Select when you watch movies.</td>
</tr>
<tr>
<td>Sports</td>
<td>Select when you watch sports events.</td>
</tr>
<tr>
<td>Customizing</td>
<td>Adjust as per person prefer.</td>
</tr>
<tr>
<td>Balance</td>
<td>Adjusts the balance of the left and right speakers.</td>
</tr>
<tr>
<td>Auto Volume</td>
<td>Automatically adjusts the volume level.</td>
</tr>
<tr>
<td>Surround sound</td>
<td>Provides 5.1 channel stereo sound from two speakers.</td>
</tr>
<tr>
<td>Equilibrium</td>
<td>Makes the voice from the projector crisp and clear.</td>
</tr>
<tr>
<td>Equilibrium Option</td>
<td></td>
</tr>
<tr>
<td>120Hz</td>
<td>120 Hz Frequency regulation</td>
</tr>
<tr>
<td>500Hz</td>
<td>500 Hz Frequency regulation</td>
</tr>
<tr>
<td>1.5KHz</td>
<td>1.5 KHz Frequency regulation</td>
</tr>
<tr>
<td>5KHz</td>
<td>5 KHz Frequency regulation</td>
</tr>
<tr>
<td>10KHz</td>
<td>10 KHz Frequency regulation</td>
</tr>
</tbody>
</table>

Button | Description
---|---
VOL - , + | Adjusts the volume leve.
Mute | Mutes all sounds.
Menu | Accesses the quick menu. (see page33)
16:9/4:3 | Resizes an image.
Keystone | Adjusts Keystone. (see page17)

Surround sound provides 5.1 channel stereo sound from two speakers.
Using Additional Options

Adjusting Aspect Ratio
Resize an image to view at its optional size by pressing RATIO button while you are using the projector.

- **FULL**: Changes to the full screen regardless of the aspect ratio.
- **16:9**: Resizes images to fit the screen width.
- **ZOOM**: Enlarges an image to fit the screen width. The top and bottom of the image may be truncated.
- **4:3**: Resizes images to the 4:3 aspect ratio.

*CAUTION*
- Some options may not be available depending on input signals.
- You can also change the image size by pressing MENU→VIDEO→ZOOM MODE

**Setting** | **Description**
--- | ---
Image Noise | Reduce the image noise
Flip Horizontal | Mirror image flip horizontal
| It is not available when using auto keystone
Flip Vertical | Mirror image flip vertical
| It is not available when using auto keystone
Keystone Correction | In order to prevent the screen image is in the shape of a trapezoid, width at the top of the projector is not set at the correct angle screen when the trapezoidal correction will adjust the image and the bottom
| It is not available when using auto keystone
Energy Saving | Adjusts brightness
Auto Keystone | When because the projector tilt and trapezoidal screen image, automatic trapezoidal correction can automatically adjust when because the projector tilt and trapezoidal screen image, automatic trapezoidal correction by automatic adjustment
| **OPTION**
| Open | Automatically adjust the proportion of trapezoidal correction.
| Close | The manual adjustment of trapezoidal correction ratio.
| **Computer** | **SETTING**
| AUTO ADJUST | Through the automatic calibration between the projector and a plurality of PC image signal is set inside the disharmony caused by the horizontal width of not matching and image dithering, which provides the best picture quality
Line position | L/R button to move image
Field position | U/D button to move image
Phase | Do some adjustments with this function
### Using the Input List

1. Press the INPUT or S button to access the input sources.

- The connected input mode appears first.

2. Press the MENU or EXIT button after adjustment.

3. Android Access
   - Select the input signal source "Android", and press "OK" button to access Android.

---

### PICTURE SETTING

1. Press the MENU button.
2. Use the ▲ or▼ button to select Picture
3. Use the ▲ or▼ button to set up a desired item and press the OK button.
4. When you are finished, press EXIT.

The available picture settings are described as follows.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Picture mode</strong></td>
<td>Selects one of the preset images or customizes options in each mode for the best screen performance. You are also able to customize advanced options of each mode.</td>
</tr>
<tr>
<td><strong>Vivid</strong></td>
<td>Maximizes the visual effect of video. Displays a crystal clear picture by enhancing contrast, brightness, and sharpness.</td>
</tr>
<tr>
<td><strong>Standard</strong></td>
<td>Has the contrast, brightness and sharpness at normal levels.</td>
</tr>
<tr>
<td><strong>Soft</strong></td>
<td>Optimizes the image for movie.</td>
</tr>
<tr>
<td><strong>Expert</strong></td>
<td>Adjusts the detailed image settings.</td>
</tr>
<tr>
<td><strong>CONTRAST</strong></td>
<td>Increases or decreases the gradient of the video signal.</td>
</tr>
<tr>
<td><strong>BRIGHTNESS</strong></td>
<td>Adjusts the brightness of the video signal to make the image brighter or darker.</td>
</tr>
<tr>
<td><strong>COLOR</strong></td>
<td>Adjusts the color temperature.</td>
</tr>
<tr>
<td><strong>Sharpness</strong></td>
<td>Adjusts the level of sharpness in the edge between the light and dark areas of the picture. The lower the level is, the softer the image looks.</td>
</tr>
<tr>
<td><strong>Tint</strong></td>
<td>Adjusts the balance between red and green levels.</td>
</tr>
<tr>
<td><strong>Color Temperature</strong></td>
<td>Adjusts the color temperature.</td>
</tr>
<tr>
<td><strong>COOL COLOR</strong></td>
<td></td>
</tr>
<tr>
<td><strong>STANDARD</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WARM COLOR</strong></td>
<td></td>
</tr>
<tr>
<td><strong>EXERT</strong></td>
<td>Adjusts the detailed image settings.</td>
</tr>
<tr>
<td><strong>Red</strong></td>
<td>Adjusts the intensity of the red.</td>
</tr>
<tr>
<td><strong>Green</strong></td>
<td>Adjusts the intensity of the green.</td>
</tr>
<tr>
<td><strong>Blue</strong></td>
<td>Adjusts the intensity of the blue.</td>
</tr>
<tr>
<td><strong>Zoom mode</strong></td>
<td>Adjusts the image’s size (see page 18 about Adjusting Aspect Ratio).</td>
</tr>
</tbody>
</table>
CUSTOMIZING SETTINGS

SETUP Menu

1. Press the menu button.
2. Use the or button to select MENU.
3. Use the or button to set up a desired item and press the OK button.
4. Use the or button to adjust the settings.
5. When you are finished, press EXIT.

<table>
<thead>
<tr>
<th>MENU</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PICTURE</td>
<td>Adjusts the image quality for optimal viewing.</td>
</tr>
<tr>
<td>AUDIO</td>
<td>Adjusts the sound quality and volume level.</td>
</tr>
<tr>
<td>TIME</td>
<td>Time-related features.</td>
</tr>
<tr>
<td>3D MODE</td>
<td>3D MODEL SETTINGS</td>
</tr>
<tr>
<td>SETTING</td>
<td>Customizes the advanced settings.</td>
</tr>
</tbody>
</table>

MEDIA

Connecting USB Storage Devices

Connect a USB memory stick as shown below. When a USB storage device is connected, the USB adjustment screen appears. You cannot write or delete data on the USB storage device.

To disconnect the USB storage device,

1. Press EXIT or button to stop playing.
2. Remove the USB device.

CAUTION

After the USB storage device is disconnected, it cannot be read. Remove the USB storage device and connect it again.

Connecting to Micro SD storage device

In the following ways to connect to the Micro SD memory stick. Connect the USB storage device, there will be a USB adjusting screen. You cannot write to or delete the USB data on a storage device.

The gold contacts for Micro SD card inserted.
The above Micro SD card for multimedia and the Android share.
The following Micro SD card is specially for Android.
**Tips for Using USB Devices**

- Only a USB storage device is recognizable.
- USB hubs are not supported.
- A USB storage device which uses its own driver may not be recognized.
- The recognition speed of a USB storage device will depend on each device.
- If a normal USB device does not work, disconnect and reconnect it. Please do not turn off the projector or unplug the USB device when the connected USB device is working. The USB device or stored files may be damaged.
- Please do not connect the USB storage device that has been manipulated on the PC. The projector may not operate properly or fail to play files. Use a USB storage device which contains normal music, photo, video, or document files.
- Please only use a USB storage device formatted as a FAT16, FAT32, or NTFS file system provided by Windows. In case a storage device formatted as a different utility program is not supported by Windows, it may not be recognized.
- Please connect power to a USB storage device which requires an external power supply. If not, the device may not be recognized.
- Please connect a USB storage device with a cable provided by the USB manufacturer. When you use a cable that is not provided by a USB manufacturer or an excessively long cable, the device may not be recognized.
- Some USB devices may not be supported or will not work properly.
- If the length of a folder or file is too long, the folder or file may not be recognized properly.
- The files in a USB storage device are sorted in the same way as Windows XP. Up to 100 English characters for a file name are allowed.
- The data of a USB device may be damaged, so it is recommended to backup any important files. Because a user is responsible for data management, the manufacturer is not responsible.
- It is recommended to use a USB memory stick which is 32 GB or less and a USB hard disk which is 1 TB or less. Any device with more than the recommended capacity may not work properly.
- If a USB storage device is not working properly, disconnect it and connect it again.
- If a USB external hard disk with the power saving function does not work, turn the hard disk off and on again to make it work properly.
- USB storage devices below USB 2.0 are supported as well. However, they may not work properly in the movie list.

**3D Image Playing Method**

1. Select the 3D image file name, press the OK button.
2. Before watching 3D of RGB-PC, must button the auto adjust key on the remote control.
3. 3D setting is on page 38.
4. To watch 3D image by projectors, press the button on the glasses.
5. Adjust 3D image settings.
   - To return to the general image, press 3D three-dimensional image button.
### MOVIE LIST

In the Movie List, you can watch movies stored on the connected USB device.

#### Tips for Playing Video Files

- Some subtitles created by a user may not work.
- Some special characters are not supported in subtitles.
- HTML tags are not supported in subtitles.
- Time information in a subtitle file should be arranged in ascending order to play the subtitle properly.
- Changing font and color in subtitles is not supported.
- A language which is not specified in the subtitle languages is not supported. (see page 30)
- Subtitle files of 1 MB or larger are not supported.
- The screen may suffer temporary interruptions (image stoppage, faster playback, etc.) when the audio language is changed.
- A damaged video file may not be played properly, or some functions may not be available.
- Video files created with some encoders may not be played properly.
- Video files with higher resolution than the maximum supported for each frame may not be played properly.
- Video files in formats other than the ones specified above may not be played properly.
- Streaming files which include GMC (Global Motion Compensation) or Qpel (Quarterpel Motion Estimation) is not supported.
- Up to 10,000 sync blocks are supported in the subtitle file.
- Seamless playback is not guaranteed for files encoded level 4.1 or higher in H.264/AVC.
- DTS audio codec is not supported.
- Video files larger than 30 GB (Gigabytes) are not supported.
- Playing a video via a USB connection that does not support high speed may not work properly.
- A video file and its subtitle file must be located in the same folder. A video file name and its subtitle file name must be identical in order to display the subtitle properly.
- While watching a video using the movie list function, you cannot adjust the picture mode.
- Trick Mode does not support other functions than if video files do not have index information.
- Video file names that contain special characters may not be playable.

### SUPPORTED 2D TO 3D FORMAT

<table>
<thead>
<tr>
<th>Signal</th>
<th>Horizontal Frequency (KHz)</th>
<th>Field Frequency (Hz)</th>
<th>Play video form</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HDMI-DTV</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080p</td>
<td>27.00</td>
<td>24</td>
<td>2D to 3D, S/S, T&amp;B, C/B</td>
</tr>
<tr>
<td></td>
<td>28.12</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td></td>
<td>33.75</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>56.25</td>
<td>50</td>
<td>2D to 3D, S/S, T&amp;B, C/B, F/S, R/I, C/I</td>
</tr>
<tr>
<td>1080i</td>
<td>28.12</td>
<td></td>
<td>2D to 3D, S/S, T&amp;B</td>
</tr>
<tr>
<td>720p</td>
<td>37.50</td>
<td></td>
<td>2D to 3D, S/S, T&amp;B, F/S</td>
</tr>
<tr>
<td>OTHER</td>
<td>-</td>
<td>-</td>
<td>2D to 3D</td>
</tr>
<tr>
<td><strong>HDMI-PC</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1024x768</td>
<td>48.36</td>
<td>60</td>
<td>2D to 3D, S/S, T&amp;B</td>
</tr>
<tr>
<td>1920x1080</td>
<td>67.50</td>
<td></td>
<td>2D to 3D, S/S, T&amp;B, C/B, F/S, R/I, C/I</td>
</tr>
<tr>
<td>OTHER</td>
<td>-</td>
<td>-</td>
<td>2D to 3D</td>
</tr>
<tr>
<td><strong>RGB-PC</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1024x768</td>
<td>48.36</td>
<td>60</td>
<td>2D to 3D, S/S, T&amp;B</td>
</tr>
<tr>
<td>OTHER</td>
<td>-</td>
<td>-</td>
<td>2D to 3D</td>
</tr>
<tr>
<td><strong>Component</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1080p</td>
<td>27.00</td>
<td>24</td>
<td>2D to 3D, S/S, T&amp;B</td>
</tr>
<tr>
<td></td>
<td>28.12</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td></td>
<td>33.75</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>56.25</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>1080i</td>
<td>28.12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>720p</td>
<td>37.50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTHER</td>
<td>-</td>
<td>-</td>
<td>2D to 3D</td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>33.75</td>
<td>30</td>
<td>2D to 3D, S/S, T&amp;B, C/B, F/S, R/I, C/I (Photo: S/S, T&amp;B)</td>
</tr>
</tbody>
</table>
## Supported Video Formats

<table>
<thead>
<tr>
<th>File Extensions</th>
<th>Codec</th>
<th>Profile/Level Support</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Video</strong></td>
<td>VC-1 Advanced Profile</td>
<td>Advanced Profile @ Level 3 (e.g. 720p60, 1080i60, 1080p30). Only streams compliant to SMPTE 421M VC-1 standard are supported.</td>
</tr>
<tr>
<td></td>
<td>VC-1 Simple and Main Profiles</td>
<td>Simple Profile @ Medium Level (e.g. CIF/QVGA) Main Profile @ High Level (e.g. 1080p30). Only streams compliant to SMPTE 421M VC-1 standard are supported.</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>WMA Standard</td>
<td>WMA 9 Professional</td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td>Divx3.11</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Divx5</td>
<td>Advanced Simple Profile (720p/1080i)</td>
</tr>
<tr>
<td></td>
<td>XViD</td>
<td>Advanced Simple Profile (720p/1080i)</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>WMA Standard</td>
<td>WMA 9 Professional</td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td>H.264 /AVC</td>
<td>Main Profile @ Level 4.1, High Profile @ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)</td>
</tr>
<tr>
<td></td>
<td>MPEG-4 Part 2</td>
<td>Advanced Simple Profile (720p/1080i)</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>HE-AAC</td>
<td>HE-AAC-LC &amp; HE-AAC</td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td>H.264 /AVC</td>
<td>Main Profile @ Level 4.1, High Profile @ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)</td>
</tr>
<tr>
<td></td>
<td>MPEG-2</td>
<td>Main Profile @ High Level (e.g. 720p60, 1080i60)</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>HE-AAC</td>
<td>HE-AAC-LC &amp; HE-AAC</td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td>H.264 /AVC</td>
<td>Main Profile @ Level 4.1, High Profile @ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>HE-AAC</td>
<td>HE-AAC-LC &amp; HE-AAC</td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td>HE-AAC</td>
<td>HE-AAC-LC &amp; HE-AAC</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>HE-AAC</td>
<td>HE-AAC-LC &amp; HE-AAC</td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td>MPEG-1 Layer III (MP3)</td>
<td>Main Profile @ High Level (e.g. 720p60, 1080i60)</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>LPCM</td>
<td></td>
</tr>
<tr>
<td><strong>Video</strong></td>
<td>MPEG-1 Layer I, II</td>
<td>Only streams compliant configured properly for TS, PS or ES</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>LPCM</td>
<td></td>
</tr>
</tbody>
</table>

## Supported 3D input formats

### Supported 3D formats

<table>
<thead>
<tr>
<th>Signal</th>
<th>Horizontal Frequency (KHz)</th>
<th>Vertical Frequency (Hz)</th>
<th>Play the stereo image form</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI</td>
<td>1080p</td>
<td>54.00</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>1080i</td>
<td>56.25</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>720p</td>
<td>28.125</td>
<td>25</td>
</tr>
<tr>
<td>USB</td>
<td>1080p</td>
<td>33.75</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>1080i</td>
<td>62.50</td>
<td>30</td>
</tr>
</tbody>
</table>
Please check the following when using 3D glasses

- Do not use 3D glasses as ordinary glasses, sunglasses or protective goggles. If you do so, this may cause injury.

- Do not store 3D glasses in very hot or very cold conditions. If you do, this may cause them to become distorted. Do not use distorted glasses.

- Do not drop 3D glasses or allow them to come into contact with other objects. This can result in damage to the product.

- The lenses of 3D glasses are easily scratched. Use a soft clean cloth when cleaning them. Foreign particles on the cloth may cause scratches.

- Do not scratch the surface of the 3D glasses’ lenses with sharp objects or wipe them with chemicals. If the lenses get scratched, images may not look normal when viewing 3D.

Requirements for Watching 3D Images

* Optimum viewing angle: Top/Bottom/Left/Right 9°
* Optimum viewing distance: Between 9 ft and 16 ft
  Recommended screen size: 40 inches

* Basically, Watching 3D videos should be done in dark room environments only.
* For 3D watching, set the energy saving mode to Minimum.

Supported Audio Files

<table>
<thead>
<tr>
<th>No.</th>
<th>Audio Codec</th>
<th>Bit rate</th>
<th>Sampling rate</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MP3</td>
<td>92 kbps - 320 kbps</td>
<td>32 kHz - 48 kHz</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>MPEG</td>
<td>92 kbps - 448 kbps</td>
<td>32 kHz - 48 kHz</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>AAC, HEAAC</td>
<td>24 kbps - 384 kbps</td>
<td>8 kHz - 96 kHz</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>CDDA</td>
<td>1.44 kbps</td>
<td>44.1 kHz</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>LPCM</td>
<td>1.41 Mbps - 9.6 Mbps</td>
<td>Multi-channel: 44.1 kHz, 88.2 kHz / 48 kHz, 96 kHz Stereo: 176.4 kHz, 192 kHz</td>
<td></td>
</tr>
</tbody>
</table>

CAUTION

- The pairing with the DLP-LINK glasses is affected by the intensity of light reflected from the screen. Therefore, the pairing with DLP-LINK glasses may not work properly if the light reflected from the screen is not bright enough, such as when the surrounding area is bright, the screen is big, or the maximum energy saving mode is enabled.

- Some menus may not work while playing a 3D video.

- You can only watch a 3D video properly when the 3D video format option has been selected on the projector.
### Browsing Movie List

Play a video file stored in the connected device.

1. Connect a USB storage device.
2. Use the or button to select Movie List and press the OK button.
3. Use the or button to select STORAGE DEVICE and press the OK button.
4. Use the or button to select HARDWARE DEVICE and press the OK button.
5. Use button to play the video in the root directory Piece.
6. Use or button to move the cursor to play the file, press the OK key to select. Then press button to play the selected file.
7. Press the OK key when playing can popup control panel.

### 3D Function

3D technology uses different video frames for each eye to add depth to the video.

#### Before Watching 3D

- **CAUTION**
  - If you view 3D images too closely for a long period of time, it may cause blurred vision.
  - If you watch the projector or game screen for a long time with 3D glasses on, you may experience dizziness or eye fatigue.
  - If you are pregnant, a senior citizen, intoxicated, have heart problems, or easily feel motion sickness, we recommend that you do not watch 3D images.
  - Because 3D images can be recognized as real, some viewers may get surprised or overexcited.
  - Do not watch 3D images near fragile objects or any objects that can be knocked over easily.
  - Take care not to injure yourself as you may subconsciously try to move away from the life-like 3D images.
  - Prevent children of 5 years or younger from watching a 3D video. It may impair the development of their eyes.

#### Warning about Photosensitivity Seizures

- Some users may experience a seizure or other abnormal symptoms when they are exposed to a flashing light or particular pattern from a video game or movie. If anyone in your family has a history of epilepsy or has ever experienced any kind of seizure, please consult your doctor before viewing 3D images. If you experience one of the following symptoms while watching a 3D video, stop watching the 3D video immediately and take a rest.

  - Dizziness, twitching of the eye or facial muscles, involuntary movements, cramp, loss of consciousness, confusion, loss of sense of direction, or nausea. If the symptom does not disappear, please consult your doctor.

  - You can reduce the risk of photosensitive seizures by taking the following preventive measures.

  - Take a rest of 5 - 15 mins. for every 1 hour of viewing.
  - If vision varies between each eye, correct the variation before beginning to watch a 3D video.
  - Ensure that the 3D video is directly in front of you, at eye level.

#### When Watching 3D Video

- **CAUTION**
  - Watch 3D images within the optimum viewing angle and distance.
  - If you are outside the viewing angle or distance, you may not be able to watch 3D images. You cannot view 3D images when you lie down.
  - You may see left and right images overlapped during projector initialization after it is powered on. It may take some time for optimization.
  - It may take some time for the 3D image to look normal after you turn your eyes away from the screen and look back at the 3D image.
  - It may flicker slightly while watching 3D images under a wavelength lamp fluorescent light (50 Hz - 60 Hz) or near windows. If so, it is recommended to block the sun light with a curtain and to dim the lights.

  - The 3D glasses must be DLP-LINK (DLP Ready) type.

  - You may not be able to watch 3D properly if there is an obstacle between the projector and 3D glasses. If you use the 3D projector as far as possible from other devices.
PHOTO (*.JPEG)
Baseline: 64-pixel (width) x 64-pixel (height) - 15360-pixel (width) x 8640-pixel (height)
Progressive: 64-pixel (width) x 64-pixel (height) - 1920-pixel (width) x 1440-pixel (height)

Only JPEG files are supported.
Non-supported files are displayed in the form of an icon.
An error message is displayed for corrupted files or file formats that cannot be played.
Corrupted files may not be displayed properly.
It may take some time to view high-resolution images in full screen.

Browsing Photo List
You can see the photos stored on a connected device.

1. Connect a USB storage device.
2. Use the ▼ or ► button to select Photo and press the OK button.

Use the ◀, ▶, ▼ or ▲ button to move the cursor to play the file, press the OK key to select, then press ▶ button to play the selected file.
MUSIC LIST
You can play audio files stored on the connected device.

Supported Music Files
* MP3
  Bit rate range 32 Kbps - 320 Kbps
  Sampling rate MPEG1 Layer 3: 32 kHz, 44.1 kHz, 48 kHz
  Sampling rate MPEG2 Layer 3: 16 kHz, 22.05 kHz, 24 kHz

Browsing Music List
1. Connect a USB storage device.
2. Use the ◀ or ► button to select Music List and press the OK button.
3. Use the ◀, ▲ or ◀ button to select the removable device you want and press the OK button.
4. Use the ◀ or ► button to select the hard device you want and press the OK button.
5. Use ◀ button to play the video in the root directory.
6. Use ◀ or ◀ button to move the cursor to play the file, press the OK key to select. Then press ◀ button to play the selected file.
7. Press the OK key when playing can popup control panel.

FILE LIST
You can see document files stored on a connected device.

Supported File Formats
File Viewer realigns a document, so it may look different from what is displayed on a PC. For documents that include images, the resolution may look lower during the realigning process. If the document volume is big or it has many pages, it may take longer to load the document. Unsupported fonts may be replaced to load the document. If the document has many pages, it may look different from what is displayed on a PC. File Viewer realigns a document, so it may look different from what is displayed on a PC. For documents that include images, the resolution may look lower during the realigning process. If the document volume is big or it has many pages, it may take longer to load the document. Unsupported fonts may be replaced to load the document. If the document has many pages, it may look different from what is displayed on a PC.

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THE NEXT ONE

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MUSIC

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