



# User's Manual

# DLP Projector

DLP-100M

This manual is prepared in accordance with the time of publication of products, with the continuous improvement of the product after publishing products may differ from the contents of the book, modification of the Department, not further notice, please understand!

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# Licences

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

## ! CAUTION

- 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.

**WARNING / CAUTION**   
**AVERTISSEMENT**

**RISK OF ELECTRIC SHOCK, DO NOT OPEN.**  
**RISQUE DE CHOC ÉLECTRIQUE, NE PAS OUVRIR.**

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING/CAUTION**

- TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

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

### Indoor installation

#### ! CAUTION

- 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 book shelf 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.



- 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

- When installing the projector on a table, be careful not to place it near the edge. Make sure that you use a stand suitable for the size of projector.
- Turn off the projector, disconnect the power supply and remove all connections before moving the projector.  
- A damaged cord may cause a fire or an electric shock.
- Do not install the projector on an unstable or vibrating surface such as a vibrating shelf or tilted surface.  
- It may fall and cause injury.  
Be careful not to tip the projector over
- When connecting external devices to the projector.  
- This may cause injury to persons or damage to the projector.

## Power

### ⚠ WARNING

- 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.

### ⚠ CAUTION

- 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.

## When in Use

### ⚠ WARNING

- 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.
- 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



- 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****⚠ 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.

**⚠ 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).

**OTHERS****⚠ 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 to 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.

**⚠ CAUTION**

Unplug the power cord if the projector is not used for a long period.

- Accumulated dust 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.

# PREPARATION

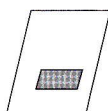
## Accessories

Check enclosed accessories.

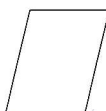
The picture may be different from an actual product.



Remote Control



User's Manual



Guaranty Card



VGA Cable

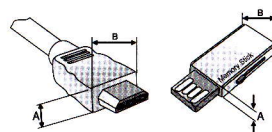


Composite Gender



Power cord

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.



A≤10 mm, B≤22 mm

## OPTIONAL EXTRAS

To purchase optional extras, visit an electronics store or online shopping site or contact the retail store where you purchased the product.

Without prior notice, optional extras are subject to change in order to improve the performance of the product, and new accessories may be added.



Projector screen



HDMI CABLE



Video Cable



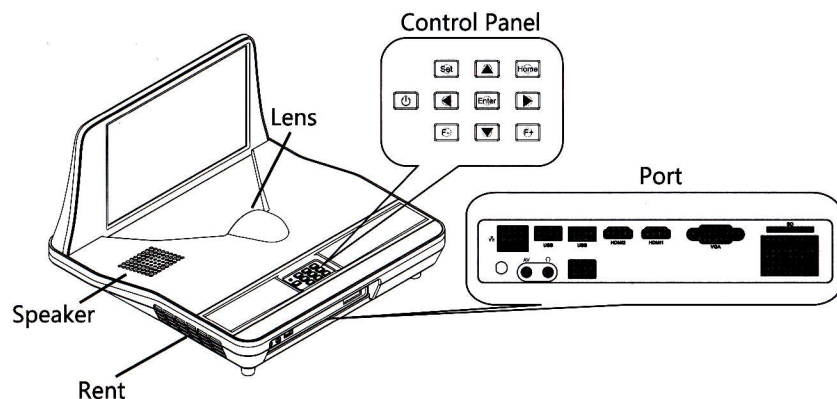
Audio CABLE



3D glasses  
(DLP-LINK or DLPReady Type)

## 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.



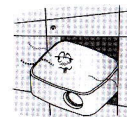
BUTTON	DESCRIPTION
(Lamp)	Turns the projector on or off
(Menu)	Select or closes menus
^, v, <, >	Sets the function or moves the cursor
Enter	Checks present mode and saves function changes
Set	Set shortcut button
Home	Home shortcut button
F+, F-	Focussing shortcut button

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.

## Installation

### Installation Precautions

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

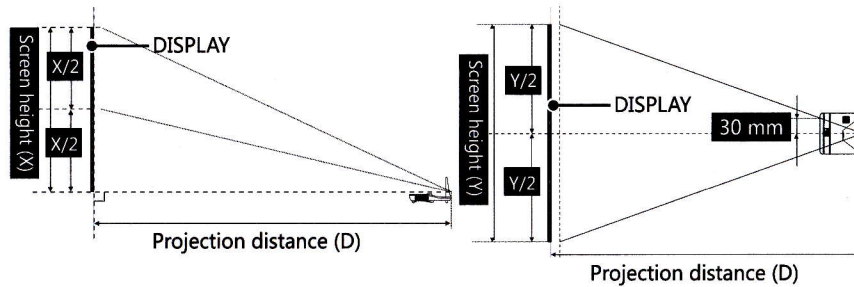


- Do not place the projector in a hot or humid environment.  
 - Do not place the projector in a hot, cold, or humid environment. (Read page 35 regarding operating temperature and humidity.)
- Do not place the projector in a place where it will easily attract dust.  
 - This may cause a fire.
- Do not 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.



## Projection Distance Based On the Size Of The Screen

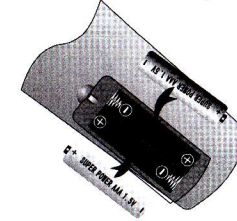
- 1 Place the projector on a sturdy, level surface, together with the PC or audio/video source.
- 2 Place the projector at an appropriate distance from the screen. The distance between the projector and the screen determines the actual size of the image.
- 3 Position the projector so that the lens is 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.



16:10 Screen			
Screen Size (mm)	Screen Width (Y) (mm)	Screen Height (X) (mm)	Projection Distance (D) (mm)
1524/60	1292	808	700
1778/70	1508	943	830
2032/80	1723	1077	960

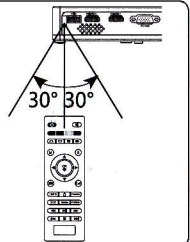
## REMOTE CONTROL

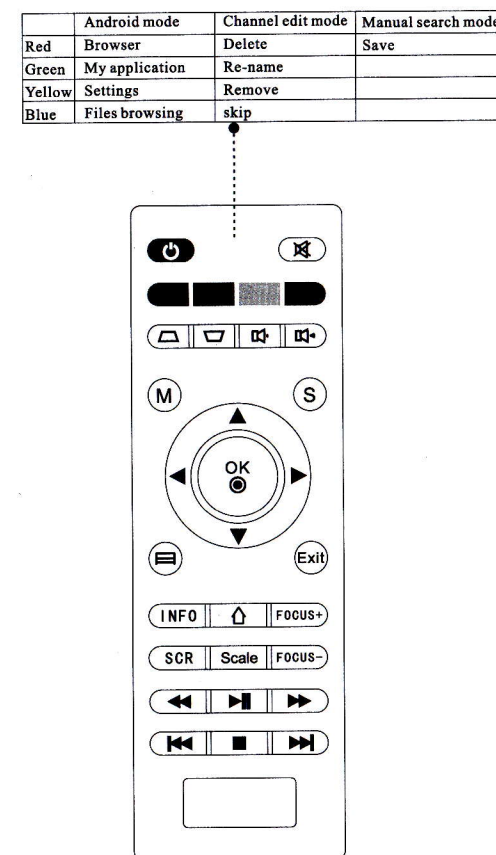
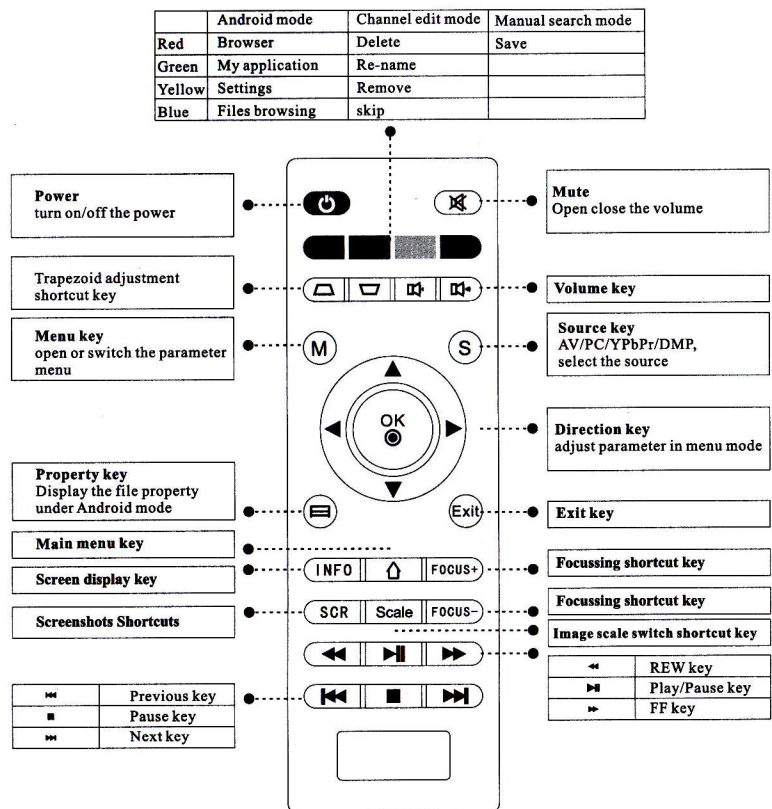
Open the remote control on the back of the battery compartment cover and follow the instructions to load the specified battery (+/-)



### ! 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

## Using 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.

• Press the button FOCUS+, FOCUS- or the button on the projector to focus.

## Using Projector

1 In Standby mode, press the POWER button to turn the projector on.

2 Press the INPUT button and select the input signal you want.

3 Control the projector using the following buttons while watching projector.

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

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

## Boot into Android

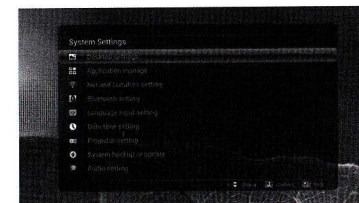
1 Entering the android system main interface.



2 Click "my application", then will show all the procedures and the toolbar icons.



2 System settings, settings about "Desktop setting" "Application management" "Net and location setting" ...

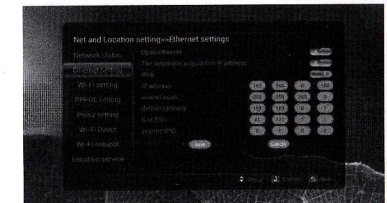


## Using The Input List

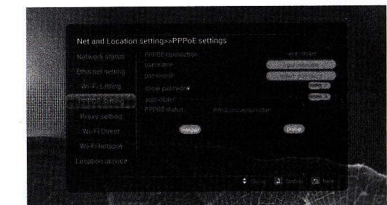
This projector support network, click "System Settings", get in the Net and Location setting, to connect network.

Ways about Wired network connecting and Wi-Fi network connecting.

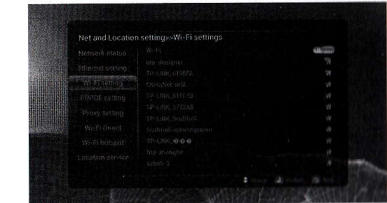
1 Wired network connecting.  
Connect to Cable Router, use LAN to connect internet.



2 Wired network connecting.  
Connect to Modem (ADSL, cable modem, Netcom...), connect Internet by Dial-up.



3 Wi-Fi network connecting.  
Connect internet by using the Wireless Network Adapter in the projector, or receive wireless signals directly.





## Using Additional Options

### Adjusting Aspect Ratio

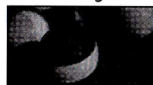
Resize an image to view at its optional size by pressing **RATIO** button while you are using the projector.



#### CAUTION

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

- **FULL** : Changes to the full screen regardless of the aspect ratio.



- **16:9**: Resizes images to fit the screen width.



- **4:3**: Resizes images to the 4:3 aspect ratio.



- **ZOOM** :

Enlarges an image to fit the screen width. The top and bottom of the image may be truncated.



#### CAUTION

- If you enlarge or reduce an image, the image may be distorted.

## Using the Keystone correction Function

To prevent the screen image from becoming trapezoidal, Keystone adjusts the top and bottom width of the image if the projector is not set at a right angle to the screen.

Because the Keystone function may cause inferior screen image quality, use this function only when it is not possible to set up the projector at an optimal angle.

- 1 Press the Key's **▲** or Key's **▼** button to adjust the screen.

-Keystone can be adjusted from -40 to 40.

- 2 Press the **MENU** or **EXIT** button after adjustment

## Using the Input List

### Using the Input List

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

- The connected input mode appears first.

VGA AV HDMI1 HDMI2

- 2 Select an input signal using the **INPUT** OR **S** button and the projector is switched only to the connected input mode. You can use the **OK** button to switch into connected input modes.

## CUSTOMIZING SETTINGS

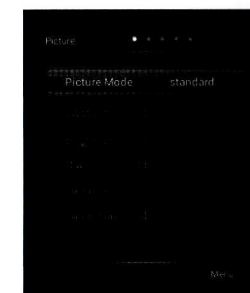
### SETUP Menu

- 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. Press EXIT, after you are finished.

MENU	DESCRIPTION
PICTURE	Adjusts the image quality for optimal viewing.
AUDIO, MODE ADJUSTING	Adjusts the sound quality and volume level.
SETTING	Customizes the advanced settings.
TIME	Time-related features.
3D	3D MODEL SETTINGS

## PICTURE MODE

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.  
-To return to the previous menu, press the button.
4. When you are finished, press EXIT.

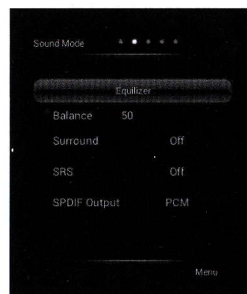


The available picture settings are described as follows.

PICTURE	
Picture mode	standard/soft/user/vivid/natural/sports/lightness
Contrast	0-100
Brightness	0-100
Sharpness	0-100
Saturation	0-100
Color Temperature	cold/standard/warm
Zoom Mode	16 : 9
Image Noise Reduction	weak/middle/strong/off
MPEG Noise Reduction	weak/middle/strong/off

## Sound Mode Settings

- 1 Press the menu button.
- 2 Use the ◀ or ▶ button to select AUDIO
- 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.
- 4 When you are finished, press EXIT.

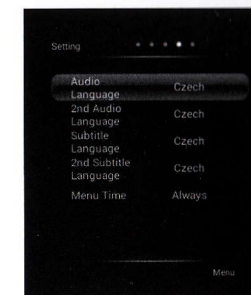


The available audio settings are described as follows.

Sound Mode Settings	
Sound Mode	standard/music/movie/news/user/ on-site1/on-site2
Equalizer	120Hz 0-100
	500Hz 0-100
	1.5KHz 0-100
	5KHz 0-100
	10KHz 0-100
Surround	ON/OFF
SRS	ON/OFF
SPDIF Output	RAW/PCM

## SETTINGS

- 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.  
- 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.



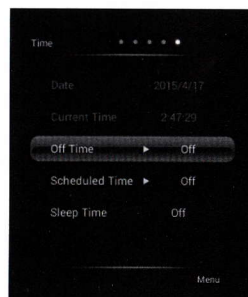
The available option settings are described as follows.

SETTINGS	
Audio Language	
2nd Audio Language	Czech/Danish/Geman/English...
Subtile Language	Czech/Danish/Geman/English...
2nd Subtile Language	Czech/Danish/Geman/English...
Menu Time	Always/5s/10s/15s/20s/30s
MHL Auto Switch	ON/OFF
Movie Mode	ON/OFF
MDMI-CEC	ON/OFF
Power Setting	Power Music
	Power Logo
	Power Volume
Restore To Default	Yes/No



## 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.

Time	
Date	The current date
Current Time	The current time
Off Time	OFF/Set off time
Scheduled Time	OFF/Set scheduled time
Sleep Time	OFF/10 mins/20 mins/30 mins

## 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.  
-To return to the previous menu, press the MENU button.
4. Use the ◀ or ▶ button to adjust all the settings.
5. When you are finished, press EXIT.



The available 3D settings are described as follows.

3D	
Self Adaptive Detect	Off/Right Now/When Source Change
3D Conversion	None/SBS/TB/FP/LA/2D-3D/CB/PA/FA
3D To 2D	None/SBS/TB/FP/LA/Auto

## 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.

- You should stop watching if you experience a headache, fatigue or dizziness.

- Do not view 3D images when you are tired or ill.

#### CAUTION

Extra special care is required for children watching a 3D video.

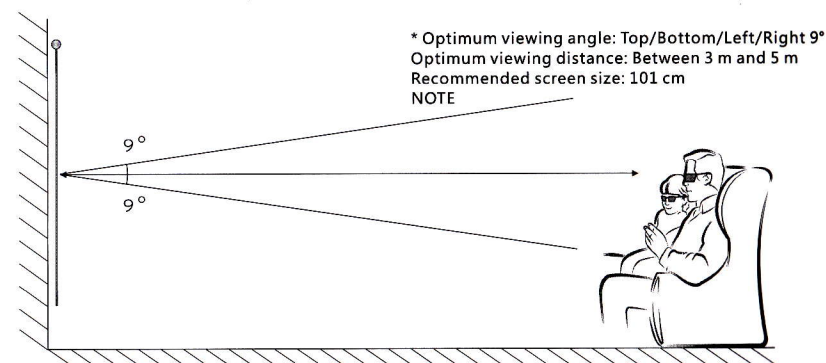
#### When Watching 3D Video

- 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 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 3 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. Install the 3D projector as far as possible from other devices.

#### 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



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

#### 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.

## To Use DLP-LINK (DLP-Ready) Type Glasses

- 1 While watching 3D images from the projector, press buttons on the glasses.
- 2 When you press the button, the glasses flicker to be synchronized with the 3D images. (The flickering is a unique operation method of DLP-LINK type glasses. It may be different depending on the glasses type.)
- 3 If the glasses flicker or problems occur while watching 3D, first turn the lights off to make the room darker. Contact your projector seller for queries about the glasses.

## Supported 3D input formats

### Supported 3D Formats

	Signal	horizontal frequency (Khz)	Vertical Frequency (Hz)	Play the stereo image form
HDMI	1080p	54.00	24	F/P,L/A
		56.25	25	
		67.50	30	
		27.00	24	S/S,T&B,S/SFull
		28.125	25	
		33.75	30	
	1080i	56.25	50	S/S,T&B
		28.125	50	F/P,F/A
		75.00		S/S,T&B,S/SFull
		37.50		F/P,L/A
		62.50		S/S,T&B,S/SFull
		31.25		F/P,L/A
USB	1080p	33.75	30	T/B,S/S,S/SFull
				S/S,T&B,C/B,MPO(Photo)

S/S:SidebySide,T&B:Top&Bottom,F/P:FramePacking,F/A:FieldAlternative  
 L/A:LineAlternative,S/SFull:SidebySideFull,C/B:CheckerBoard  
 R/I:RowInterleaving,C/I:ColumnInterleaving,F/S:SingleFrameSequential

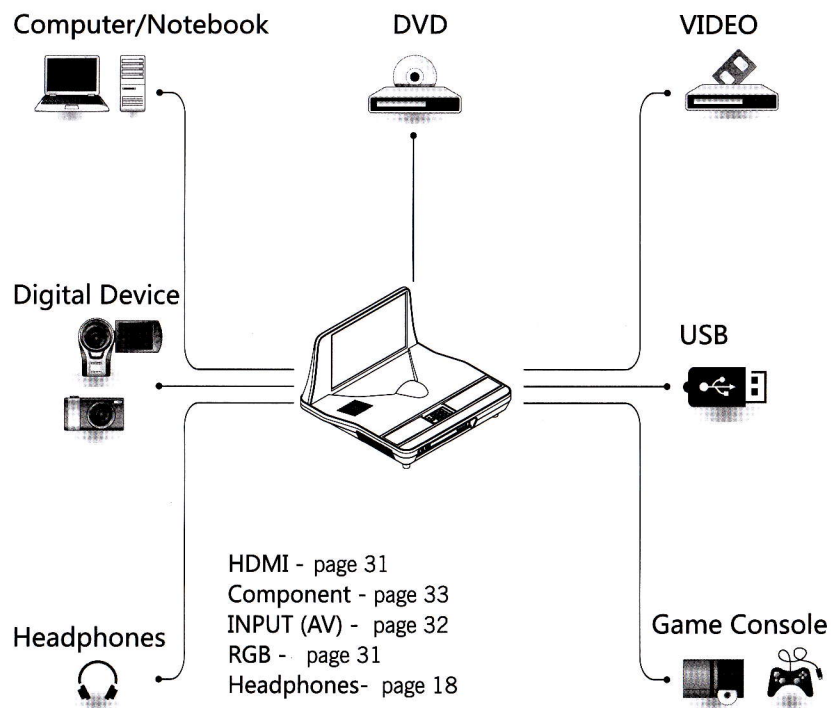
## 3D Image Playing Method

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.



## Connection Establishing

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

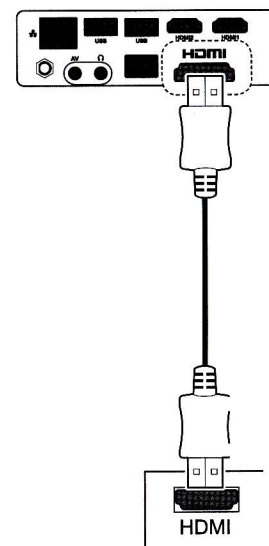


### Connecting to an HD Receiver, DVD, or VCR Player

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.

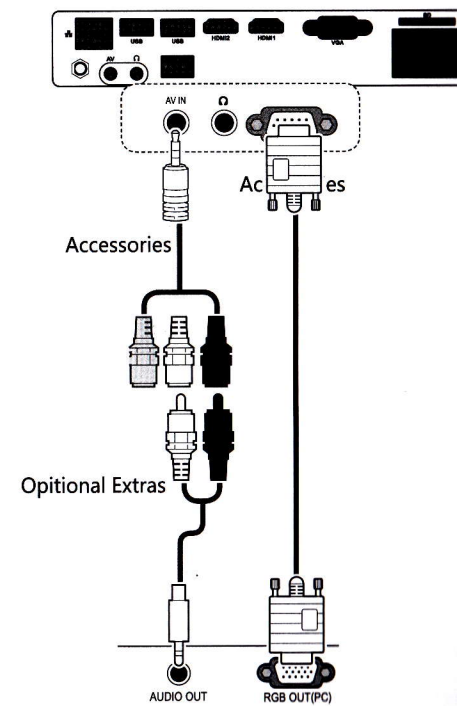


### Connecting to a PC

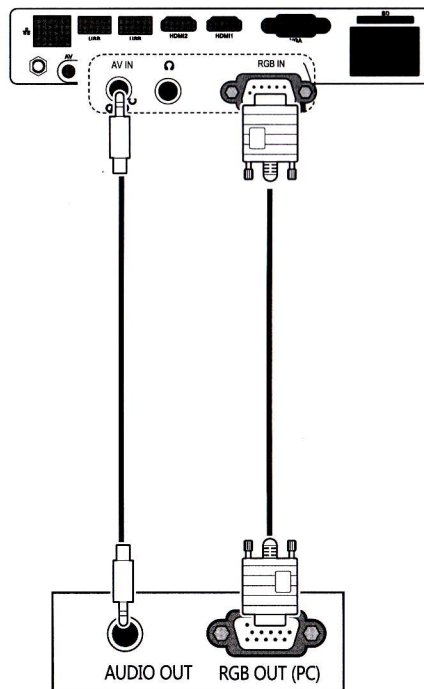
The projector supports Plug & Play. A PC will automatically recognize the projector and requires no driver to be installed.

#### 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.

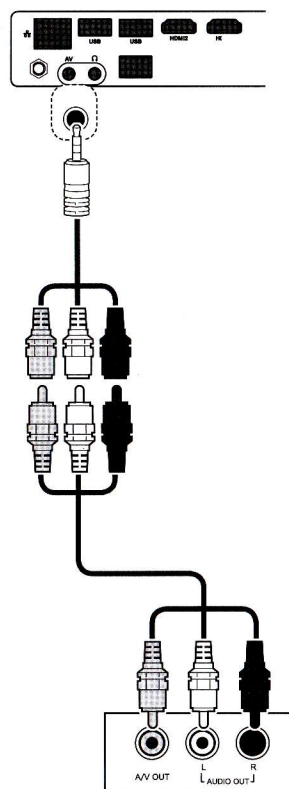


## Connecting to the AV



You can connect the audio cable without using a gender as shown in the illustration above.

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

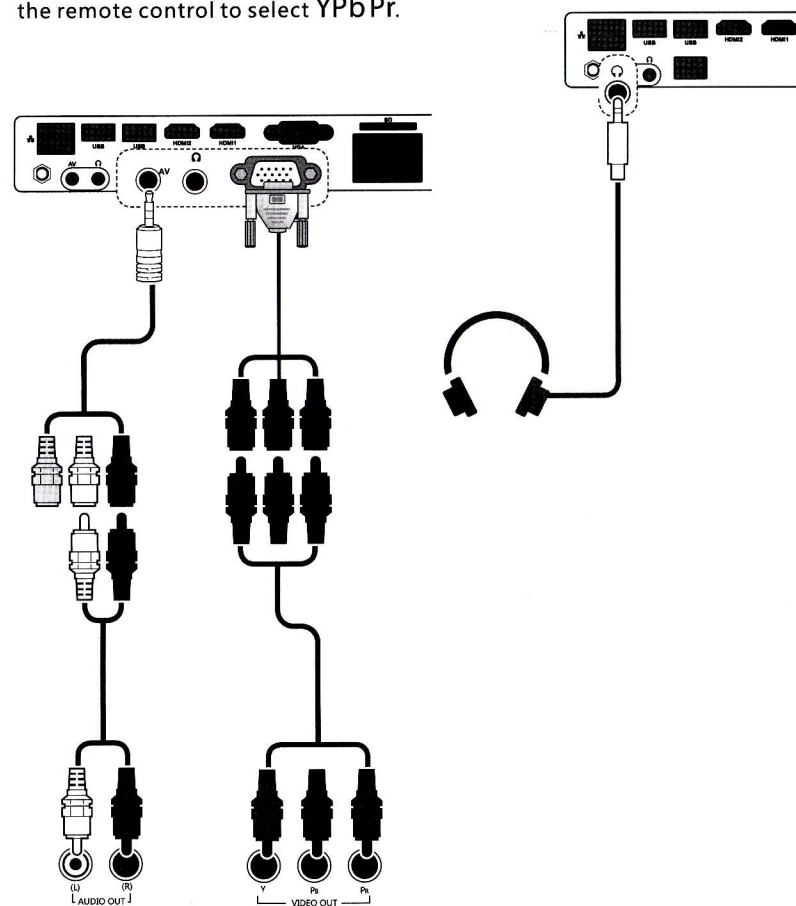


## Component Connection

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



## 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.

## SPECIFICATIONS

NAME	DESCRIPTION
CPU	Dicaryon
WIFI	Support 802.11 b/g/n
Bluetooth	Support
USB	2
Support video format	MPEG4/AVI/RM/RMVB/FLV/WMV/3PG/MP4/TS/DAT/WKV/MOV
Support audio format	MP3/WMA/WAV/APE/FLAC/AAC/OGG
Support image format	JPEG/BMP/GIF/PNG
Support document format	PDF/WORD/EXECEL/PPT/TXT
Resolution(Pixel)	1280(Horizontal)x800(Vertical)
Screen ratio	16:10(Horizontal:Vertical)
Panel size(mm)	11.623
Projection distance (Video size)	0.25 m - 3.9 m (25 cm - 390.0 cm)
Ratio of upward projection	100 %
Working range of the remote	3 m
Video input	NTSC M/PAL-B、D、G、H、I/PAL M/PAL N/PAL 60/SECAM
Power	AC 110 - 240V 50 - 60Hz
Audio output	5 W + 5 W
Length(mm)	375
Width(mm)	370
Depth(mm)	245(with foot)
Weight(g)	±3900
USB device	5V,0.5A(Max)
Operation Environment	Temperature
	Operation 0 °C - 40 °C
	Storage -20 °C - 60 °C
	Relative Humidity
	Operation 0 % - 80 %
	Storage 0 % - 85 %






## Supported Monitor Display

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
640*350	31.468	70.09
720*400	31.469	70.08
640*480	31.469	59.94
800*600	37.879	60.31
1024*768	48.363	60.00 119.99
1152*864	54.348	60.053
1280*800	49.68	60
1360*768	47.712	60.015
1280*1024	63.981	60.020
1400*1050	65.317	59.979
1680*1050	65.3	60

- 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.  
yyIn PC mode, 1280 x 800 is recommended for the best picture quality.

The instance of laptop choose VGA output:

If you already connect the laptop to projector, you may need the keyboard or FUNCTION SETTING to change the output destination. Press "Fn" and "F\*" at the same time (the key with such as  /  symbol on it).

The users of windows7/windows8, just press the  + P, then click the "Copy" to connect them. If it doesn't work, please update computer graphics driver

## HDMI/DVI-DTV supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720*480	31.469 31.5	59.94 60
720*576	31.25	50
1280*720	37.5 44.96 45	50 59.94 60
1920*1080	33.72 33.75 28.125 26.97 27 33.716 33.75 56.25 67.43 67.5	59.94 60 50 23.97 24 29.976 30.00 50 59.94 60

## Component port connecting information

Signal	Component
480i / 576i	o
480p / 576p	o
720p / 1080i	o

## Instance Of Laptop Choose VGA Output

NEC	Fn + F3
SOTEC	
Panasonic	
LENOVO	Fn + F4
HP	
Samsung	
Toshiba	Fn + F5
Acer	
SONY	Fn + F7
ThinkPad	
DELL	Fn + F8
Asus	
Fujitsu	Fn + F10