LG

Life's Good

OWNER'S MANUAL

DLP PROJECTOR

Please read this manual carefully before operating
your set and retain it for future reference.

HW300Y
HW301Y

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

WARNING

- Do not place the Projector in direct sunlight or near heat sources such as radiators, fires, stove etc.
  - This may cause a fire hazard.
- Do not place flammable materials in, on or near the projector.
  - This may cause a fire hazard.
- Do not hang on the installed projector.
  - It may cause the projector to fall, causing injury or death.
- Do not block the vents of the projector or restrict air-flow in any way.
  - This would cause the internal temperature to increase and could cause a fire hazard or damage to the unit.
- Do not place the projector close to sources of steam or oil such as a humidifier.
  - This may create a fire hazard or an electric shock hazard.
- Do not place the projector where it might be exposed to excessive dust.
  - This may cause a fire hazard or damage to the unit.
- 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 hazard.

- Do not place the projector directly on a carpet, rug or place where ventilation is restricted.
  - This would cause its internal temperature to increase and might create a fire hazard or damage the unit.
- Ensure good ventilation around the projector. The distance between the projector and the wall should be more than 30 cm.
  - An excessive increase in its internal temperature may cause a fire hazard or damage to the unit.

NOTES

- When installing the projector on a table, be careful not to place it near the edge.
  - The projector could fall causing injury and damage to the projector. **Only use a suitable stand.**
- Disconnect from the power supply and remove all connections before moving, or cleaning.
- Only use the projector on a level and stable surface.
  - It may fall and cause injury and/or damage to the unit.
- Do not drop the projector when connecting to a external devices.
  - This may cause injury and/or damage to the unit.

Power

WARNING

- This Projector has a three-prong grounded AC plug.It must be connected to a three-prong grounded AC outlet. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker. Do not try to ground the unit by connecting it to telephone wires, lightening rods, or gas pipes.
- The power cord should be inserted fully into the power outlet to avoid a fire hazard.
  - This may cause a fire hazard or damage the unit.
- Do not place heavy objects on the power cord.
  - This may cause a fire or an electric shock hazard.
- Never touch the power plug with a wet hand.
  - This may cause an electric shock hazard.
- Do not plug-in too many items into one power outlet.
  - It may result in overheating of the outlet and create a fire hazard.
- Prevent dust from collecting on the power plug pins or outlet.
  - This may cause a fire hazard.

NOTES

- Hold the plug firmly when unplugging. If you pull the cord, it may be damaged.
  - This may cause a fire hazard.
- Do not use if the power cord or the plug is damaged or any part of the power outlet is loose.
  - This may cause a fire or an electric shock hazard or damage to the unit.
- Ensure the power cord does not come into contact with sharp or hot objects.
  - This may cause a fire or an electric shock hazard or damage to the unit.
- Place the projector where people will not trip or tread on the power cord.
  - This may cause a fire or an electric shock hazard or damage to the unit.
- Do not turn the projector On/Off by plugging-in or unplugging the power plug to the wall outlet. (Allow the unit to cool before removing power.)
  - It may cause mechanical failure or could cause an electric shock.

Using

WARNING

- Do not place anything containing liquid on top of the projector such as flowerpot, cup, cosmetics or candle.
  - This may cause a fire hazard or damage to the unit.
- In case of impact shock or damage to the projector switch it off and unplug it from the power outlet and contact an authorized service center.
  - This may cause a fire or an electric shock hazard or damage to the unit!
- Do not allow any objects to fall into the projector.
  - This may cause an electric shock hazard or damage to the unit!
- If water is spilt into the projector unplug it from the power supply immediately and consult your Service Agent.
  - This may cause an electric shock hazard or damage to the unit!
- Dispose of used batteries carefully and safely.
  - In the case of a battery being swallowed by a child please consult a doctor immediately.
- Do not remove any covers. High risk of Electric Shock.
- Don't look directly into the lens when the projector is in use. Eye damage may occur.
- Do not touch metal parts during or soon after operation since the vents will remain very hot.
- If the projector is in a room that experiences a gas leak, do not touch the projector.
  - It can cause a fire or a burn by a spark.
- Always open the lens door or remove the lens cap when the projector is on.
- Never touch this apparatus or power cord during a thunder or lightning storm.
  - This may cause an electric shock hazard.

- **CAUTION** concerning the Power Cord
  It is recommend that most appliances be placed on a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain.
  Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by authorized service personnel.
  Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

NOTES

- Do not place heavy objects on top of projector.
  - This may cause mechanical failure or personal injury.
- Take care not to impact the lens particularly when moving the projector.
- Do not touch the lens of the projector. It is delicate and easily damaged.
- Do not use any sharp tools on the projector as this will damage the casing.
- In the event that an image does not appear on the screen please switch it off and unplug it from the power outlet and contact your Service Agent.
  - This may cause a fire or an electric shock hazard or damage to the unit!
- Do not drop the projector or allow impact shock.
  - This may cause mechanical failure or personal injury.
- Keep the proper distance from the product.
  - Your vision may be impaired if you look at the product too closely.

Cleaning

WARNING

- Do not use water while cleaning the projector.
  - This may cause damage to the projector or an electric shock hazard.
- In the unlikely event of smoke or a strange smell from the projector, switch it off, unplug it from the wall outlet and contact your dealer or service center.
  - This may cause a fire or an electric shock hazard or damage to the unit!
- Use an air spray or soft cloth that is moist with a neutral detergent and water for removing dust or stains on the projection lens.

NOTES

- Contact the Service Center once a year to clean the internal parts of the projector.
  - Accumulated dust can cause mechanical failure.
- When cleaning the plastic parts such as projector case, unplug the power and wipe it with a soft cloth. Do not use cleanser, spray water or wipe with a wet cloth. Especially, never use cleanser (glass cleaner), automobile or industrial shiner, abrasive or wax, benzene, alcohol etc., which can damage the product. Use an air spray or soft cloth that is moist with a neutral detergent and water for removing dust or stains on the projection lens.
  - It can cause fire, electric shock or product damage (deformation, corrosion and damage).

Others

WARNING

- Do not attempt to service the projector yourself. Contact your dealer or service center.
  - This may cause damage to the projector and could give an electric Shock as well as invalidating the warranty.

NOTES

- Do not mix new batteries with old batteries.
  - This may cause the batteries to overheat and leak.
- Be sure to unplug if the projector is not to be used for a long period.
  - Accumulated dust may cause a fire hazard or damage to the unit!
- Only use the specified type of battery.
  - This could cause damage to the remote control.

TABLE OF CONTENTS

🛈 **NOTE**

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

ASSEMBLING AND PREPARING

Unpacking

Check your product box for the following items. If there are any missing accessories, contact the local dealer where you purchased your product. The illustrations in this manual may differ from the actual product and item.

Remote Control and Batteries (AAA)	Owner's manual	CD Owner's manual	Power Cord
Computer Cable	Composite/ Component Gender cable	AC-DC Adapter	Portable bag
Nero MediaHome4 Essentials CD	Wireless LAN for Broadband/ DLNA Adaptor (AN-WF100)	Polishing Cloth	Lens Cap and Strap
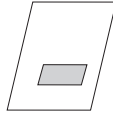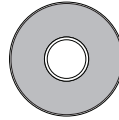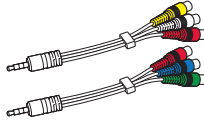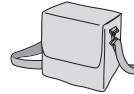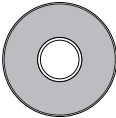
• Note that clearance is limited between the USB and HDMI inputs. Using devices of a non-standard size may block other ports.

A≦10mm , B≦24mm
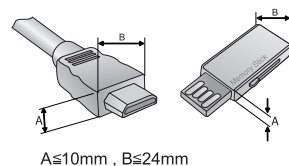
Optional Extras

Optional extras can be changed or modified for quality improvement without any notification.
Contact your dealer for buying these items.
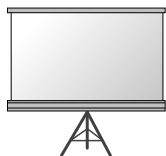
Projection Screen	Tripod	HDMI Cable
Video Cable	Audio Cable	Component Cable
AJ-CB2	AJ-CB2+AJ-CS60	
Ceiling Mounting Bracket[1]		
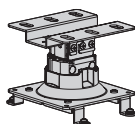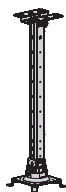
1 Use screw size: M4x6-M4x8

Parts and Buttons

* This projector is manufactured using high-precision technology. You may, however, see on the Projector screen tiny black points and/or bright points (red, blue, or green). This can be a normal result of the manufacturing process and does not always indicate a malfunction.

Control panel

Rear Connection panel

Speaker

Exhaustion Direction[1]

Focus ring

lens[2]
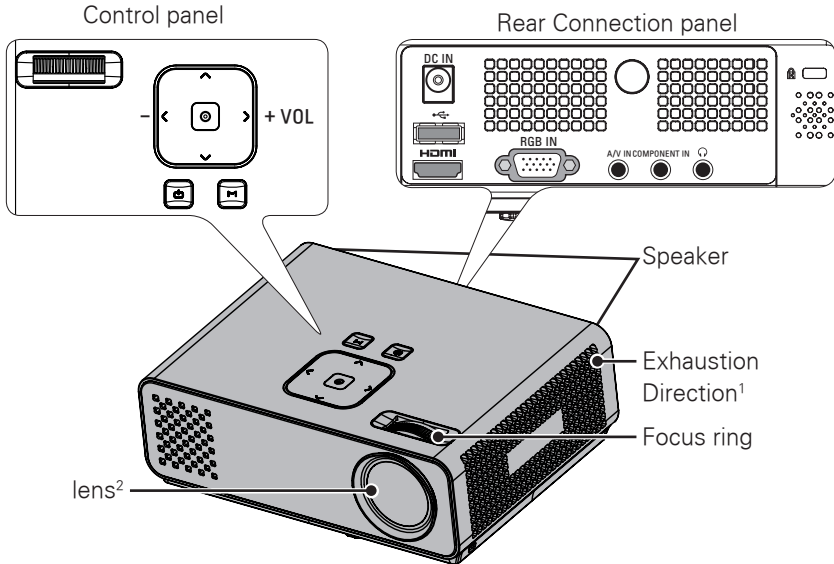
Button	Description
⏻ (POWER)	Turns the projector ON/OFF.
ᴍ (MENU)	Displays or closes menus.
VOL -, +	Adjusts the volume level.
∧, ∨, <, >	Adjusts functions of menus.
◉ (OK)	Checks present mode and saves the change of functions.

1 High heat, keep the area near the exhaust clear.
2 Do not touch the lens when using the projector or opening the lens cap.

Installation

Installation Precautions

• Always provide proper ventilation for this projector.

- The projector is equipped with ventilation holes. Do not block or place anything near these holes. Internal heat build-up may occur, causing picture degradation or damage to the projector.
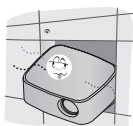
- Do not place the projector on a carpet, rug or other similar surface. It may prevent a adequate ventilation of the projector bottom. This product should be mounted to a wall or ceiling only.

- Never push the projector or spill any kind of liquid into the projector.

- Leave an adequate distance (30 cm or more) around the projector.

• Place this projector in adequate temperature and humidity conditions.
  - Install this projector only in a location where adequate temperature and humidity is available. (See p.66)

• Don't place the projector where it can be covered with excessive dust.
  - This may cause overheating of the projector.

• Do not obstruct the slots and openings of the projector. This may cause overheating and cause a fire hazard.

• This projector is manufactured using high-precision technology. You may, however, see tiny black points and/or bright points (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 when a lamp equipped with electronic ballast or a three-wavelength lamp is installed. Replace those lamps with international standard products to use the remote control normally.

Basic Operation of the Projector

1 Place the projector on a sturdy and horizontal surface.

2 Place the projector with the desired 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 screen image will be crooked. Although, slight angles can be counteracted using the Keystone adjustement. (See p.19).

4 After placing the projector in its desired location, connect the video input(s). Then connect the power cable to the projector and the wall outlet.

Projection offset ratio: 100%
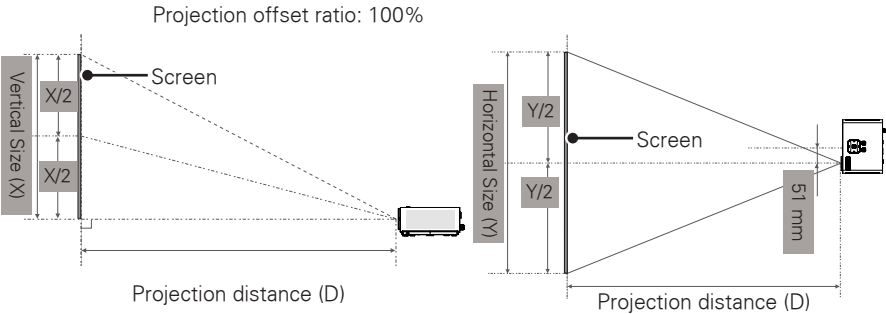
16 : 9 Scale			
Diagonal Size (mm)	Horizontal Size (Y) (mm)	Vertical Size (X) (mm)	Projection Distance (D) (mm)
508	431	269	586
635	538	337	737
762	646	404	887
889	754	471	1038
1016	861	539	1200
1143	969	606	1342
1270	1077	673	1492
1397	1185	741	1643
1524	1292	808	1794
1651	1400	875	1947
1778	1508	943	2097
1905	1615	1010	2248
2032	1723	1077	2399
2159	1831	1145	2552
2286	1938	1212	2702
2413	2046	1279	2853
2540	2154	1347	3004

How to Install the Projector Using a Tripod

* You can install this projector using a camera 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.)

Bottom side of Projector
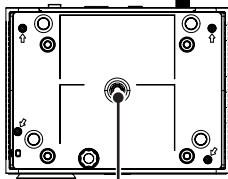
Part connected to the tripod

+
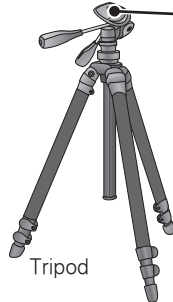
Tripod

Projector is connected to this part.

⇒

Kensington Security System

• This projector has a Kensington Security System Connector on the panel. Connect a Kensington Security System cable as below.
• For detailed installation and use of the Kensington Security System, refer to the user's guide included with the Kensington Security System set. And for further information, contact **http://www.kensington.com**, the internet homepage of the Kensington company that deals with expensive electronic equipment such as notebook PCs or projectors.
• The Kensington Security System is an optional item.
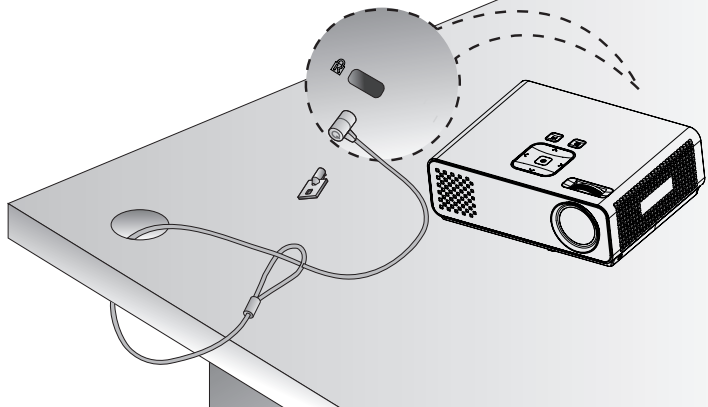
REMOTE CONTROL

The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully and use the projector correctly. To replace batteries, open the battery cover, replace batteries (1.5 V AAA) matching the ⊕ and ⊖ ends to the label inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse.
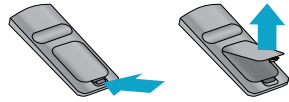
⚠ **CAUTION**

- RISK OF EXPLOSION IF BATTERY IS REPLACED WITH AN INCORRECT TYPE. DISPOSE OF USED BATTERIES AT A RECYCLING DROP-OFF LOCATION.
- Do not mix old and new batteries, as this may damage the remote control.
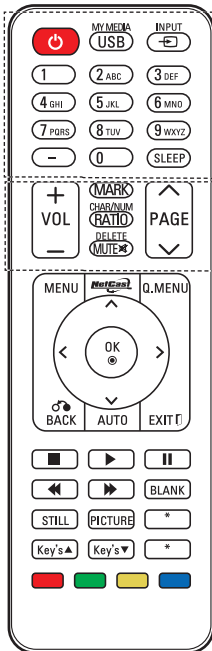
POWER
Turns the projector on or off.

USB/MY MEDIA
Access **MY MEDIA**.

INPUT
Changes the input source.

Alphanumeric buttons
Enters letters and numbers.

SLEEP
Sets the length of time until the projector to turns off.

VOL
Adjusts the volume level.

MARK
Selects a menu or option.

CHAR/NUM
Switches between Letter and Number input modes.

RATIO
Resizes an image.

DELETE
Deletes letters and numbers.

MUTE
Mutes all sounds

PAGE
Moves to the previous or next screen.

MENU
Accesses on Screen Menus.

NETCAST
Select the desired **NETCAST** menu source.

Q.MENU
Accesses the quick menu.

Navigation buttons (up/down/left/right)
Scrolls through menus or options.

OK
Selects menus or options and confirms your input.

BACK
Returns to the previous level.

AUTO
Automatically adjusts the input from a computer..

EXIT
Clears all on-screen displays and returns to projector viewing.

Control buttons
Controls the **NETCAST** or **MY MEDIA**.

BLANK
Turns the projector screen on or off.

STILL
Freeze the moving image.
Functions as the STILL button in any mode other than DivX.

PICTURE
Adjusts Keystone.Change the image mode.

Key's
Adjusts Keystone.

Color buttons
These access special functions in some menus.

ⓘ NOTE

- Optimal remote range is less than 6 meters and within a 60 degree arc of the IR receiver.
- The remote range may be less when cables are connected to the projector.
- 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 reduce the battery life significantly.

30° 30°
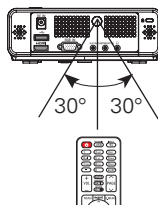
WATCHING PROJECTOR

Watching Projector

Turning on for the First Time

1 Make sure the power cord is connected correctly.

2 After wait for a moment, press the **POWER** button on the remote control or control panel. (The light on the control panel will be turned on.)

• Press the **INPUT** button on the remote control to select the input signal you want.

• Verify the lens cap is removed before turning on the power.

3 Follow the on-screen instructions to customize your projector settings according to your preferences.

| Language | Selects a language to display.

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.
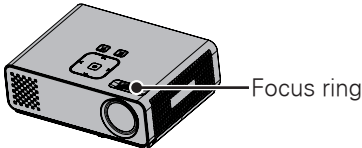
Focus ring

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

Operating the Projector

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

2 Press **INPUT** and select desired input.

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

Button	Description
0 - 9	Entering numbers.
VOL -, +	Adjusts the volume level.
MUTE	Mutes all sounds.
Q.MENU	Accesses the quick menus. (See p.20)
RATIO	Resizes an image.
Key's	Adjusts Keystone. (See p.19)

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

Using Additional Options

Adjusting Aspect Ratio

Resize an image to view at its optimal size by pressing **RATIO** while you are watching projector.

> **NOTE**
> - Some options may not be available depending on input signals.
> - You can also change the image size by pressing **Q.MENU** or **MENU**.

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

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

– **Just Scan**: Displays video images in the original size without cutting off the edges.

> **NOTE**
> - If you select **Just Scan**, you may see image noises at the edge or edges of the screen.

– **Set By Program**: Displays images in the same aspect ratio as the original image.

– **4:3**: Resizes images to the previous standard.

– **Zoom**: Enlarges an image to fit the screen width. The top and bottom of the image may not appear.
  - Adjust proportion of Zoom, press $<$ or $>$.
  - Move the image on the screen, press $\wedge$ or $\vee$.

– **Cinema Zoom**: Formats an image to the cinemascope ratio, 2.35:1.
  - To change the ratio of the cinema zoom, press $<$ or $>$ and its range is from 1 to 16.
  - To move the zoom focus up or down, press $\wedge$ or $\vee$.

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

Adjusting Keystone

Use this function when the screen is not at a right angle to the projector and the image is a trapezoid shape. Only use the **Keystone** function when you can't get the best angle by moving the projector.

1 Press **Key's▲**, **Key's▼** to adjust the screen condition as you want.
  • **Keystone** can be adjusted from **-40** to **40**.

2 When you are finished, press **EXIT**.

Using the Input List

Using the Input List

1 Press **INPUT** to access the input sources.

  - The connected device displays on input source, AV input is always active.
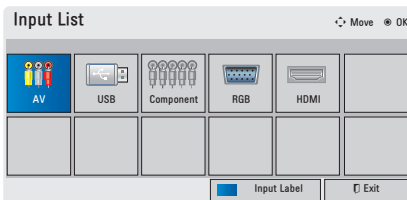
2 Selecting an input signal with the **INPUT** button will only change the projector only to connected inputs. Press the Navigation buttons to scroll to any inputs.

Adding an Input Label

Add a label to an input source so that you can easily identify a device connected to each input source.
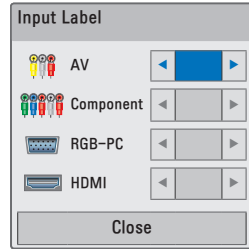
1 Press **INPUT** to access the input sources.

2 Press the **Blue**.

3 Press the Navigation buttons to scroll to one of the input sources.

4 Press the Navigation buttons to scroll to one of the input labels.

5 When you are finished, press **EXIT**.

Blank Function

Using Blank Function

This function may be effective if you need to get the attention of the audience during presentations, meetings or briefings.

1 Press the **BLANK** to turn off the screen.
   You can choose the background color. (Refer to "Selecting Blank Image")

2 Press any button to cancel the blank function.
   To temporarily turn off the image on the screen, press **BLANK**. Do not block the projection lens with any objects when the projector is under operation as this could cause the objects to become heated and deformed or even cause a fire.

Selecting Blank Image

1 Press **Menu** to access the menu.

2 Press the Navigation buttons to scroll to **OPTION** and press **OK**.

3 Press the Navigation buttons to scroll to **Blank Image** and press **OK**.

4 Press the Navigation buttons to scroll to the setting or option you want and press **OK**.

5 When you are finished, press **EXIT**.

Using the Quick Menu

Customize frequently used menus.

1 Press **Q.MENU** to access the quick menus.

2 Press the Navigation buttons to scroll through the following menus and press **OK**.

Menu	Description
Aspect Ratio	Changes the image size. (See p.18)
Picture Mode	Changes the image mode. (See p.51)
LED Mode	To adjust the brightness of the image. (See p.57)
Color Temperature	To adjust the overall color of the screen to the feeling you want.
Caption	Sets whether to display captions.
Sleep Timer	The sleep timer turns the projector off at the preset time.
PJT Mode	Turns the projected image upside down or flips horizontal.
USB Device	Eject a USB device. The menu is displayed only when the USB device is connected.

3 Press the Navigation buttons to scroll to the option you want.

4 When you are finished, press **Q.MENU**.

ENTERTAINMENT

Network Connection

Connecting to a Wireless Network

The LG Wireless LAN for Broadband/DLNA Adaptor, allows the projector to connect to a wireless LAN network.
The network configuration and connection method may vary depending on the equipment in use and the network environment. Refer to the setup instructions supplied with your access point or wireless router for detailed connection steps and network settings.
Setting up a wireless access point (AP) or the wireless router is required before connecting the projector to the network. The easiest method is the WPS button method (Third method in this section).
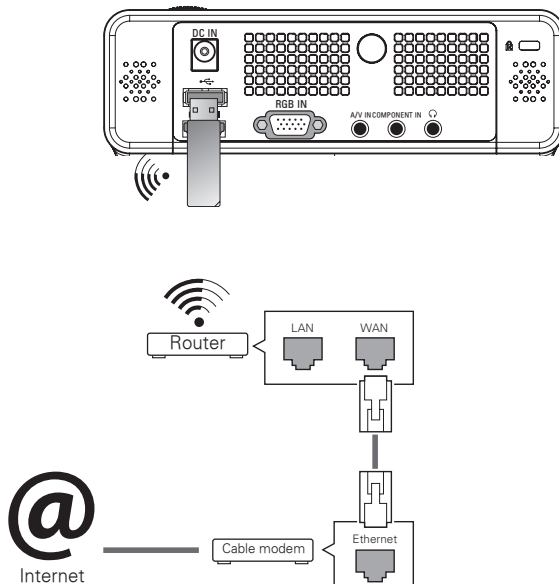
NOTE
• When the wireless port of the router is used, there may be restrictions on some functions.

Setting to a Wireless Network

To set up the network settings,

1 Press **MENU** to access the menu.

2 Press the Navigation buttons to scroll to **NETWORK** and press **OK**.

3 Press the Navigation buttons to select **Network Setting** and press **OK**.

4 Press the Navigation buttons to select **Setting from the AP list** and press **OK**.

- Scan the all available AP (Access Point) or wireless routers within range and display them as a list.

```
Selecting the wireless network setting type
  Select the wireless network setting type.

        Setting from the AP list
      Simple setting (WPS-button mode)
        Setting Ad-hoc network
                                    ◉ Next

    ♻ Previous              ⎙ Exit
```
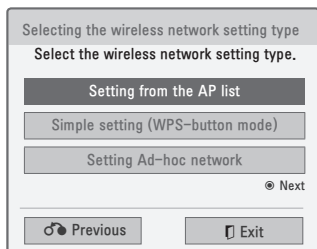
5 Press the Navigation buttons to select an AP (Access Point) or wireless router on the list. (If your AP is secured, you will be prompted for the key. and press **OK**.

```
Selecting AP

 Select AP you want to connect.
                          Page 1/1

  Input the new SSID
  iptime          🔒 ▭ ₪
                              🔍
  ASW              ▭ ₪     Access Point
                            Search
  Network1         ▭ ₪

    ▬ Connecting with PIN mode
                             ◉ Next

    ♻ Previous         ⎙ Exit
```
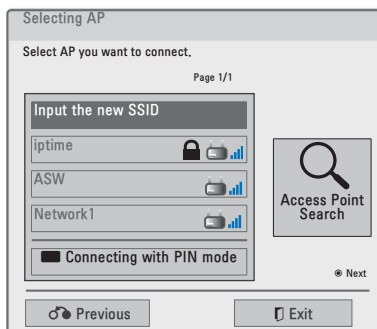
6 Press the Number buttons of the remote controller or select the proper buttons on the image to Input the security key of AP and press **OK**.

PIN(Personal Identification Number)

If your router is set to use a PIN , use the following instructions.

1 Repeat step 1-4 on "Setting to a Wireless Network".

2 Press the **Red** to connect the access point with **PIN** mode.

3 You can see the PIN number on your screen. Enter the PIN number to your device. PIN number is the unique 8 digit number of the dongle.

4 Press **OK** to select **Connect**.

```
Connecting with PIN mode

 Insert PIN number at the AP webpage and
      press 'Connect' button.

      PIN NUBMER : 12345670
           Connect
   For more information, check the AP manual.
                              ◉ Next

    ♻ Previous         ⎙ Exit
```
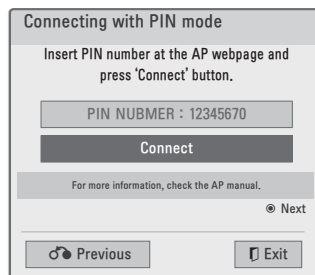
5 If you have already set the Network Setting, select **Resetting**. The new connection settings will reset the current network settings.

6 Select **IP Auto Setting** or **IP Manual Setting**.

- If selecting **IP Manual Setting**, press the Navigation and Number buttons. IP addresses will need to be input manually.
- **IP Auto Setting**: Select this if there is a DHCP server (Router) on the local area network (LAN) via wired connection, the projector will automatically be allocated an IP address. If you're using a broadband router or broadband modem that has a DHCP (Dynamic Host Configuration Protocol) server function, the IP address will automatically be determined.
- **IP Manual Setting**: Select if there is no DHCP server on the network or you want to set the IP address manually.

7 When you are finished, press **EXIT**.

WPS (Wi-Fi Protected Setup)

If your router or AP has a WPS button, this is the easiest connection method. You simply press the button on the router and then select the WPS on the projector within 120 seconds.

1 Repeat step 1-3 on "Setting to a Wireless Network".

2 Press the Navigation buttons to select the **Simple setting (WPS-button mode)**.

3 Press the WPS button on your router.

4 Go back to the projector and select **Connect**.

5 Repeat step 5-6 on "PIN(Personal Identification Number)".

Ad-hoc Mode

Ad-hoc mode allows the projector to use a wireless to connect to a computer without using a router or access point.

1 Repeat step 1-3 on "Setting to a Wireless Network".

2 Press the Navigation buttons to select **Setting Ad-hoc network** and press **OK**.

3 Press the Navigation buttons to select Enter and press **OK**.

4 Press **OK** to select Connect to connect Ad-hoc network.

- You can see the Network ID and Security Key on your screen.
- Enter this Network ID and Security Key to your device.
- When needed, you can change the setting information using the **Red**.

🛈 NOTE

When searching for wireless networks on your PC using ad-hoc, the projector is named LGPJT0.

• LGPJT0 that appears in the list. (Select the same name as the network ID that appears on your screen.)

5 Press the Navigation buttons to type in an IP address and press **OK**.

- **PC Setting**: Internet Protocol(TCP/IP) of PC needs to be set manually. IP address, Subnet Mask, and default Gateway can be set with your own discretion.
  e.g.) IP address: 192.168.0.1 / Subnet Mask: 255.255.255.0 / default Gateway: 192.168.0.10
- **Projector Setting**: Verify IP address and gateway of PC. Input Gateway address of PC to IP Address, and IP Address of PC to Gateway, and select Enter.
  e.g.) IP address: 192.168.0.10 / Subnet Mask: 255.255.255.0 / default Gateway: 192.168.0.1

6 Press the Navigation buttons to select **Close** after Network setting is completed.

7 Press the **OK**.

Tips for Network Setting

- Many network connection problems during set up can often be fixed by re-setting the router or modem. After connecting the player to the home network, quickly power off and/or disconnect the power cable of the home network router or cable modem. Then power on and/or connect the power cable again.
- Depending on the internet service provider (ISP), the number of devices that can receive internet service may be limited by the applicable terms of service. For details, contact your ISP.
- LG is not responsible for any malfunction of the projector and/or the internet connection failure due to communication errors/malfunctions associated with your broadband internet connection, or other connected equipment.
- LG is not responsible for problems within your internet connection.
- Some content available through the network connection may not be compatible with the projector. If you have questions about such content, please contact the producer of the content.
- You may experience undesired results if the network connection speed does not meet the requirements of the content being accessed.

- Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this projector or you may be limited to the number of devices you can connect at the same time. (If your ISP limits sub-scription to one device, this projector may not be allowed to connect when a PC is already connected.)
- The use of a "Router" may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.
- The wireless network operates at 2.4 GHz radio frequencies that are also used by other household devices such as cordless telephone, Bluetooth® devices, microwave oven, and can be affected by interference from them.It can be interrupted by the device using 5 Ghz radio frequencies. It is same device as LG wireless media box, cordless telephone, other Wi-Fi device.

- It may decrease the service speed using Wireless network by surrounding wireless condition.
- Turn off all unused network equipment in your local home network. Some devices may generate network traffic.
- In some instances, placing the access point or wireless router higher up away from the floor may improve the reception.
- The reception quality over wireless depends on many factors such as type of the access point, distance between the projector and access point, and the location of the projector.
- When connecting internet through the wireless sharing machine, it may interrupt the connection because of the use limitation and confirmation of service company.
- To connect wireless AP, an AP that supports the wireless connection is necessary, and the wireless connection function of the AP needs to be activated. Please enquire to the AP supplier for the possibility of AP wireless connections.
- Please verify the security settings of AP SSID for wireless AP connection, and enquire to the AP supplier for the AP SSID security settings.
- The Projector can become slower or malfunction with wrong settings of network equipments (wired/wireless router, hub, etc). Please install correctly by referring to the manual of the equipment, and set the network.

• When AP is set to include 802.11 n, and if Encryption is designated as WEP(64/128bit) or WPA(TKIP/AES), the connection may not be possible. There may be different connection methods according to the AP manufacturers.

Network Status

To set up the network settings,

1 Press **Menu** to access the menu.

2 Press the Navigation buttons to scroll to **NETWORK** and press **OK**.

3 Press the Navigation buttons to scroll to **Network Status.** and press **OK**.

4 Press **OK** to check the network status.

Option	Description
Setting	Return to the network setting menu or wireless network setting type menu.
Test	Test the current network status after setting the network.
Close	Return to the previous menu.

NETCAST

Stream movies, Game, SNS, Internet Radio or weather updates directly to your projector.

Using NETCAST

1 Press **NETCAST** to access the menu option.

2 Press the Navigation buttons to scroll to the content you want and press **OK**.
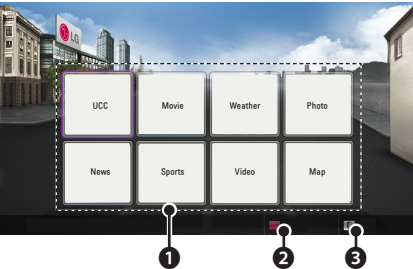
No.	Description
❶	Selects your desired online service. If a service requires you to log in, you must first sign up for the service on your computer and then log into the service on the projector.
❷	Set the option menu.
❸	Exit NETCAST.

3 Enjoy the NETCAST features.

🛈 NOTE

- The videos list searched from the projector may different than the list searched from a web browser on PC.
- The playback of videos may pause, stop, or buffer depending on your broadband speed.
- For service that requires log in, join the applicable service on the website using the PC and log in through the projector to enjoy various additional functionalities.
- When you set the city you want with Setup by pressing the red button, the background of NetCast will be set to the weather of the selected city.

Notice

- These services are provided by separate content providers.
- Please visit the content providers web site for specific information on their service.
- Premium menu can differ by country.
- Note that content may be updated automatically depending on the service provider, so the content layout or operation method may change without notice. Please refer to the help menu on the screen.
- All information, data, documents, communications, downloads, files, text, images, photographs, graphics, videos, webcasts, publications, tools, resources, software, code, programs, applets, widgets, applications, products and other content ("Content") and all services and offerings ("Services") provided or made available by or through any third party (each a "Service Provider") is the sole responsibility of the Service Provider from whom it originated.
- The availability of and access to Content and Services furnished by the Service Provider through the LGE Device are subject to change at any time, without prior notice, including, but not limited to the suspension, removal or cessation of all or any part of the Content or Services.

- Should you have any inquiry or problem related to the Content or Services, you may refer to the Service Provider's website for the most up-to-date information. LGE is neither responsible nor liable for customer service related to the Content and Services. Any question or request for service relating to the Content or Services should be made directly to the respective Content and Service Providers.
- Please note that LGE is not responsible for any Content or Services provided by the Service Provider or any changes to, removal of, or cessation of such Content or Services and does not warrant or guaranty the availability of or access to such Content or Services.
- Some content may be harmful to minors depending on the service provider. Parental guidance is necessary.
- The service may be interrupted if the Internet connection is unstable. Please check the connection status if you experience this problem.
- The videos list searched from the projector may different with the list searched from a web browser on PC.
- The playback of videos may pause, stop, or buffer depending on your broadband speed.
- For service that requires log in, join the applicable service on the website using a PC and log in through the projector to enjoy various additional functions.

Legal Notice

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MY MEDIA

Connecting USB Storage Devices

Connect USB storage devices such as a USB flash drive or external hard drive to the projector and use multimedia features.
Connect a USB flash drive or USB memory card reader to the projector as shown in the following illustration.

USB memory stick
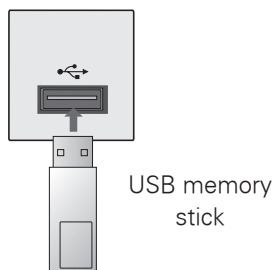
To disconnect a USB storage device, make sure to end the connection properly to prevent damages to the projector or files.

1 Press **Q.MENU** to access the quick menus.

2 Press the Navigation buttons to scroll to **USB Device** and press **OK**.

3 Disconnect the USB storage device only when the message says that it is safe to remove.

🛈 **NOTE**
• After Eject USB, USB memory cannot be read. Remove USB memory, and connect again.

Tips for Using
USB Storage 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.
- Please do not turn off the projector or unplug the USB device when the connected USB storage device is operating. When such a device is suddenly separated or unplugged, the stored files or the USB storage device may be damaged.
- Please do not connect the USB storage device which was artificially maneuvered on the PC. The device may cause the product to malfunction or fail to be played. Never forget to use only a USB storage device which has normal music files, image files, movie files or text files.
- Please use only a USB storage device which was formatted as a FAT16, FAT32 and NTFS file system provided with the Windows operating system. In case of a storage device formatted as a different utility programmed which 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 cable is offered by USB maker. If connected with cable is not offered by USB maker or an excessively long cable, the device may not be recognized.
- Some USB storage devices may not be supported or operate smoothly.
- If the name of a folder or file is too long, it will not be displayed or recognized.
- File alignment method of USB storage device is similar to Window XP and filename with up to 100 english characters can be recognized.
- Please backup important files because a data of USB device may be damaged. Data management is consumer's responsibility and in consequence the manufactures does not cover data damage.
- The recommended capacity is 1TB or less for a USB external hard disk and 32GB or less for USB memory. Any device with more than the recommended capacity may not work properly.
- If the USB memory device does not work properly, disconnect and reconnect it.
- If a USB external hard disk with a "Energy 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. But they may not work properly in the movie list.

Connecting DLNA DMP (Digital Living Network Alliance, Digital Media Player)

This projector can display and play many types of movie, photo and music files from your DLNA server. The Digital Living Network Alliance (DLNA) is a cross-industry organization of consumer electronics, computing industry and mobile device companies. DLNA provides consumers with easy sharing of digital media through a wired or wireless network in the home. The DLNA certification logo makes it easy to find products that comply with the DLNA Interoperability Guidelines. This unit complies with DLNA Interoperability Guidelines v1.5. When a PC running DLNA server software or other DLNA compatible device is connected to this projector, some setting changes of software or other devices may be required. Please refer to the operating instructions for the software or device for more information.
Please refer to "MY MEDIA" for additional information on supported file types and other instructions.

• The supplied Nero MediaHome 4 Essentials CD-ROM is a customized software edition only for sharing files and folders to this projector. The supplied Nero MediaHome 4 Essentials software does not support following functions: Transcoding, Remote UI, projector control, Internet services and Apple iTunes

• This manual explains operations with the English version of Nero MediaHome 4 Essentials as examples. Follow the explanation referring to the actual operations of your language version.

• Check your network settings when the DLNA option does not work properly.

• If there is an abnormal operation or an error occurs in Nero Media Home, the DLNA option may not work properly. In this case, exit Nero Media Home and restart the programme. You can download the latest version of Nero Media Home by clicking the question mark at the bottom-left of the program.

• When the network is unstable, the device may be slower or may need to load during playback.

• When playing a video in DLNA mode, the Multi Audio and Closed Caption features are not supported.

• When selecting Full Screen in DLNA mode, the ratio of the outputted screen may differ from the original.

• When more than one projector is connected to a single server in DLNA mode, a file may not play properly, depending on the server performance.

• If the play time information is not provided by the server, it is displayed as "--:--:--."

• DLNA operation may not work properly according to the AP manufacturers.

Installing Nero MediaHome 4 Essentials

Nero MediaHome 4 Essentials is easy to use DLNA server software for Windows.

Computer requirements for Nero MediaHome 4 Essentials

- Windows® XP (Service Pack 2 or higher), Windows Vista® (no Service Pack required), Windows® XP Media Center Edition 2005 (Service Pack 2 or higher), Windows Server® 2003
- Windows Vista® 64-bit edition (application runs in 32-bit mode)
- Hard drive space: 200 MB hard drive space for a typical installation of Nero MediaHome stand-alone
- 1.2 GHz Intel® Pentium® III or AMD Sempron™ 2200+ processors
- Memory: 256 MB RAM
- Graphics card with at least 32 MB video memory, minimum resolution of 800 x 600 pixels, and 16-bit color settings
- Windows® Internet Explorer® 6.0 or higher
- DirectX® 9.0c revision 30 (August 2006) or higher
- Network environment: 100 Mb Ethernet, WLAN (IEEE 802.11a/b/g/n)

1 Close all Microsoft Windows programs and exit any anti-virus software that may be running.

2 Insert the Nero MediaHome 4 Essentials CD-ROM into your computer's CD-ROM drive.

3 Click **Nero MediaHome 4 Essentials**. The installation is prepared and the installation wizard appears.

4 Click the **Next** button to display the serial number input screen. Click **Next** to go to the next step.

5 If you accept all conditions, click **I accept the License Conditions** check box and click **Next**. Installation is not possible without this agreement.

6 Click **Typical** and click **Next**. The installation process is started.

7 If you want to take part in the anonymous collection of data, select the check box and click the **Next** button.

8 Click the **Exit** button to complete the installation.

Sharing Files and Folders

After installing Nero MediaHome, you must add folders you wish to share.

1 Double-click the **Nero MediaHome 4 Essentials** icon on the desktop.

2 Click **Network** icon on the left and define your network name in the **Network name** field. The Network name you enter will be recognized by your projector.

3 Click **Shares** icon on the left.

4 Click **Local Folders** tab on the **Shared** screen.

5 Click **Add** icon to open the **Browse Folder** window.

6 Select the folder containing the files you want to share. The selected folder is added to the list of shared folders.

7 Click **Start Server** icon to start the server.

> **NOTE**
>
> • If the shared folders or files are not displayed on the projector, click the folder on the **Local Folders** tab and click **Rescan Folder** at the **More** button.
> • Visit **www.nero.com** for more information and software tools.

Playing Shared contents

You can display and play movie, photo and music content stored on your computer or other DLNA media servers.

1 Press the USB button. Then, move to **MOVIE/PHOTO/MUSIC LIST** with the Navigation buttons and press the **OK** button. Press the Blue buttons to search other network device.

2. Press the Navigation buttons move to a desired file and press the **OK** button.

Tips for using DLNA DMP

- To play the file on the media server, the projector and the media server must be connected to the same access point.
- Because the compatibility and available playback functions on the **MY MEDIA** menu are tested on the bundle DLNA server (Nero MediaHome 4 Essentials) environment, file requirements and playback functions on the **MY MEDIA** may differ depending on media servers.
- Even the files that are not supported can be displayed in photo thumbnail or music thumbnail.
- Movie thumbnail is not supported in DLNA Movie.
- If there is an unplayable music file in the **MY MEDIA** menu, the projector will skip the file and play next file.
- The file information indicated on the screen may not always correct for music and movie files in **MY MEDIA** menu
- This projector only supports movie subtitle files supplied by Nero MediaHome 4.
- The subtitle file name and movie file name have to be the same and located at the same folder.
- If subtitle files have been added after a directory has been indexed already, the user has to remove and re-add the folder to the list of shares.

- The playback and operating quality of the **MY MEDIA** function may be affected by your home network condition.
- The files from removable media such as USB drive, DVD-drive etc. on your media server may not share properly.
- When playing the Media through DLNA connection, it does not support the DivX file play which is protected by DRM.
- Up to 200 folders in one folder and 999 including folders and files can be recognized.
- If there are too many folders and files in one folder, it may not operate properly.

Connecting DLNA DMR (Digital Living Network Alliance, Digital Media Render)

This supports remote playing of media files. Media from a compatible device (Windows 7, Mobile Phone with PlayTo, or other compatible DLNA-DMC device) can be "pushed" to the projector.
The DMR function only works properly when the projector and PC are on the same local network.

1 To play a file, select the file by using the "Remote Play" feature in Windows 7.
To do this, right-click on the file you want to play.

2 You can play a file only on a single projector set or device even though multiple devices are connected. The playback speed depends on the network status.

🛈 NOTE

- Subtitle is supported only on some DMC devices.
- The DMR function may not work properly in a wireless network.
- The seek function of the DMC only works on video files.
- The DMR is not available when another function is operating (MY MEDIA work etc.).
- Refer to the owner's manual of the mobile phone or other device to find out how to use it to play a file.
- You can change the name of a connected projector by double-clicking the item you want to change in Control Panel > Network and Internet > View network computers and devices (For Windows 7).
- You cannot change the name of a projector while DMR media is playing. Change it when playback is stopped.

MOVIE LIST

* The movie list is activated once USB is detected. It is used when playing movie files on projector.

Tips for playing video files

- Some user-created subtitles may not work properly.
- Some special characters are not supported in subtitles.
- HTML tags are not supported in subtitles.
- Time information in an external subtitle file should be arranged in ascending order to be played.
- Changing font and color in subtitles is not supported.
- Subtitles in languages other than one specified are not supported.
- Subtitle files of 1 MB or larger may not be played properly.
- 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 correctly, or some functions may not be usable.
- Video files produced with some encoders may not be played correctly.
- If the video and audio structure of recorded file is not interleaved, the file not playback properly.
- Video with resolution higher than maximum resolution supported for each frame, cannot be guaranteed for smooth playback.
- Video files other than the specified types and formats may not work properly.
- The movie file encoded by the GMC

(Global Motion Compensation) and Qpel (Quarterpel Motion Estimation) is not supported.
- Only 10000 sync blocks are supported within the subtitle file.
- We do not guarantee smooth playback of profiles encoded level 4.1 or higher in H.264/AVC.
- DTS Audio codec is not supported.
- A video file more than 30GB in file size is not supported for playback.
- Playing a video via a USB connection that doesn't support high speed may not work properly.
- The video file and its subtitle file must be located in the same folder. At this time, a video file name and its subtitle file name must be identical for it to be displayed.
- When you are watching a movie via the Movie List function, user setup for each picture mode is not supported.
- Trick Mode does not support other functions than ▶ if video files do not have index information.
- When playing video file using network, the Trick mode is limited to 2-times speed.
- Video file names that contain special characters may not be playable.

DivX Supported Video Formats

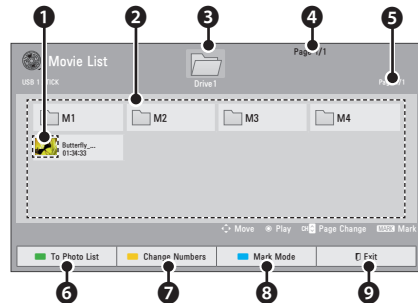| File Extensions	Audio/ Video	Codec	Profile/Level Support	Explanation
.asf .wmv	Video	VC-1 Advanced Profile	Advanced Profile @ Level 3 (e.g. 720p 60, 1080i 60, 1080p 30)	Only streams compliant to SMPTE 421M VC-1 standard are supported.
		VC-1 Simple and Main Profiles	Simple Profile @ Medium Level (e.g. CIF, QVGA) Main Profile @ High Level (e.g. 1080p 30)	
	Audio	WMA Standard		
		WMA 9 Professional		
.divx .avi	Video	DivX3.11		Global motion compensation or quarterpel motion estimation does not supported. Streams using this syntax are not supported.
		DivX4 DivX5 DivX6 XViD	Advanced Simple Profile(720p/1080i)	
		H.264 / AVC	Main Profile@ Level 4.1 High Profile@ Level 4.1 (e.g. 720p60, 1080i60, 1080p30)	
	Audio	MPEG-1 Layer I, II MPEG-1 Layer III (MP3) Dolby Digital		
.mp4 .m4v	Video	H.264 /AVC	Main Profile @Level 4.1 High Profile @Level 4.1 (e.g. 720p 60, 1080i 60, 1080p 30)	Global motion compensation or quarterpel motion estimation does not supported. Streams using this syntax are not supported.
		MPEG-4 Part 2	Advanced Simple Profile(e.g. 720p/1080i)	
	Audio	AAC	AAC-LC and HE-AAC	
.mkv	Video	H.264 /AVC	Main Profile @Level 4.1 High Profile @Level 4.1 (e.g.720p 60, 1080i 60, 1080p 30)	Most of the MKV content available is encoded by the open source x264 codec.
	Audio	HE-AAC	HE-AAC-LC and HE-AAC	
		Dolby Digital		
.ts .trp .tp	Video	H.264 /AVC	Main Profile @Level 4.1 High Profile @Level 4.1 (e.g. 720p 60, 1080i 60, 1080p 30)	
		MPEG-2	Main Profile @High Level (e.g. 720p 60, 1080i 60)	
		VC-1	Simple Profile@Medium Level (e.g. CIF, QVGA) Main Profile@High Level (e.g. 1080p30) Advanced Profile@Level3 (e.g. 720p60, 1080i60, 1080p30)	Only streams compliant to SMPTE 421M VC-1 standard are supported.
	Audio	MPEG-1 Layer I, II MPEG-1 Layer III (MP3) Dolby Digital		
		AAC	AAC-LC and HE-AAC	
.vob	Video	MPEG-1		
		MPEG-2	Main Profile @High Level (e.g. 720p 60, 1080i 60)	
	Audio	Dolby Digital MPEG-1 Layer I, II DVD-LPCM		
.mpg .mpeg .mpe	Video	MPEG-1	Main Profile@High Level (e.g. 720p60, 1080i60)	Only streams compliant configured properly for TS, PS or ES
	Audio	MPEG-1 Layer I, II		

Bit rate range : within 32 kbps - 320 kbps (MP3)
Subtitle format : *.smi/*.srt/*.sub(MicroDVD, SubViewer1.0/2.0)/*.ass/*.ssa/*.txt(TMPlayer)/*.psb(PowerDivX)

Browsing Movie List

Play video files on the screen. Your screen can display video files from a USB storage device.

1 Connect a USB storage device.

2 Press **USB** to access the Home menu.

3 Press the Navigation buttons to scroll to **Movie List** and press **OK**.

4 Press the Navigation buttons to scroll to the device you want and press **OK**.

5 Press Navigation buttons to select a folder or file you want and press **OK**.

No.	Description	
❶	Thumbnail	
	Abnormal files	
	Non-supported files	
❷	Contents List	
❸	Moves to upper level folder	
❹	Current page/Total pages of folders	
❺	Current page/Total pages of contents	
❻	Move to Photo List.	
❼	Changes the number or thumbnails displayed at a time.	

No.	Description	
❽	Allows you to mark certain files. Select files you want and press **Color buttons**.	
	Play Marked	Press **Red**. Play the first selected file.
	Mark All	Press **Green**. Mark all files in the folder.
	Unmark All	Press **Yellow**. Deselect all marked files.
	Exit Mark Mode	Press **Blue**. Enter or exit the Mark Mode.
❾	Exit.	

6 Play a movie by using the following menus/buttons.

01:02:30 / 02:30:25

Button	Description
$<, >$	Move to a specific frame forward or backward while playing a video. A cursor indicating the position can be viewed on the screen. It may not work properly for some movie files.
■	Stop the media player. Back to the Movie List
▶	Return to normal playback.
❚❚	Pauses the media player. If no buttons are pressed on the remote control for 10 minutes after pausing, the projector returns to the playback state.
	❚❚ and ▶▶ Displays slow motion.
◀◀ ▶▶	Select the required speed: x2, x4, x8, x16, x32 (backward/forward).
Q.MENU Option	Popup **Option** menu. See "Options for Movie List".
☌ Hide	Hide the menu on screen. To see the menu again, press **OK**.
Exit	Return to **Movie List**.

Options for Movie List

1 Press **Q.MENU**.
A pop-up window will appears.

2 Press the Navigation buttons to scroll to the option and press **OK**.

3 Press the Navigation buttons to scroll to one of the following options and press **OK**.

Set Video Play.

Option	Description
Picture Size	Selects your desired picture format for videos. • **Full**: Files are played according to the aspect ratio of video. • **16:9**: Displays the video with the aspect ratio of 16:9. • **Original**: Displays the video in original aspect ratio.
Audio Language	Changes the Language Group of the audio for video files. Files with a single audio track cannot be selected.

Option	Description
Subtitle Language	The subtitles can be turned on or off. • **Language**: Activated for SMI subtitles and can select the language within the subtitle. • **Code Page**: Subtitle font selection. When set to default, contents are displayed in the language set in OPTION - Language : Menu. • **Sync**: When the video is not synchronized with the captions, it can be adjusted by 0.5 second. • **Position**: Move the location of the subtitles. • **Size**: Changes the subtitle font size.
Repeat	Turn on/off repeat function of movie playback. When turned off, if the next file name is similar to the previous file, it can be played sequentially.

• Language

Subtitle Language Group	Supported Language
Latin1	French, Spanish, Catalan Basque, Portuguese, Italian, Albanian, Rhaeto-Romanic, Dutch, German, Danish, Swedish, Norwegian, Finnish, Faeroese, Icelandic, Irish, Scottish, English
Latin2	Czech, Hungarian, Polish, Romanian, Croatian, Slovak, Slovenian, Servian
Latin4	Estonian, the Baltic languages and Latvian(Lettish) and Lithuanian, Greenlandic and Lappish
Latin5	English, Turkish
Cyrillic	Bulgarian, Byelorussian, Macedonian, Russian, Serbian and pre-1990(no ghe with upturn) Ukranian
Greek	English, Modern Greek
Hebrew	English, Modern Hebrew
Chinese	Chinese
Korean	English, Korean
Arabic	English, Arabic

Set Video Play.

Allows you to change Video presets (Refer to "PICTURE Settings" on page 51).

Set Audio.

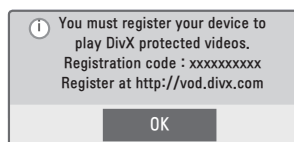Allows you to change Audio presets (Refer to "AUDIO Settings" on page 56).

Registering the DivX code

- The DivX registration code allows you to rent or purchase the latest movies at www.divx.com/vod. To play a rented or purchased DivX file, the file's registration code should be same as your projector's DivX registration code.

1 Press **USB** to access the Home menu and press **Blue**.

> DivX(R) VOD Registration
> DivX(R) Deregistration
> Previous
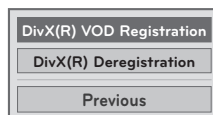
2 Press the Navigation buttons to scroll to **DivX(R) VOD Registration** and press **OK**.

> ⓘ You must register your device to play DivX protected videos.
> Registration code : xxxxxxxxxx
> Register at http://vod.divx.com
> OK

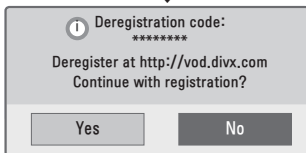3 View the registration code of your projector.

⚠ **NOTE**

• While you are checking the registration code, some buttons may not work.

• If you use the DivX registration code of another device, you cannot play the rented or purchased DivX file. Make sure to use the DivX registration code assigned to your projector.

• The video or audio files that are not converted by the standard DivX codec may be corrupted or not be played.

• The DivX VOD code allows you to activate up to 6 devices under one account.

Deactivating the DivX feature

- You can deactivate all of the devices through the web server and block devices from activating.
Delete the existing authentication information to receive a new DivX user authentication for the projector. Once this function is executed, a DivX user authentication is required again to see DivX DRM files.

1 Press **USB** to access the Home menu and press **Blue**.

2 Press the Navigation buttons to scroll to **DivX(R) Deregistration** and press **OK**.

3 Select **Yes** to confirm.

```
ⓘ    Your device is already
            registered.
   Are you sure you wish to deregister?

   [  Yes  ]    [    No    ]
```

⬇

```
   ⓘ  Deregistration code:
              ********
   Deregister at http://vod.divx.com
      Continue with registration?

   [  Yes  ]    [    No    ]
```

🛈 **NOTE**

• DRM (Digital Rights Management) function: These are the technology and the service that prevents the illegal use of digital contents to protect the copyrights owners' benefits and rights. File can be played after the license is cleared through the methods of online, etc.

PHOTO LIST

* The projector can display JPEG files.

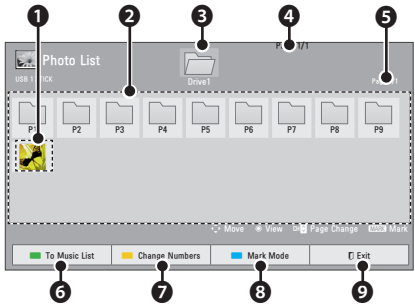## Supported Photo File Formats

PHOTO(*.JPEG) supporting file
Baseline: 64 pixel (width) x 64 pixel (height) to 15360 pixel (width) x 8640 pixel (height)
Progressive: 64 pixel (width) x 64 pixel (height) to 1920 pixel (width) x 1440 pixel (height)
• You can play JPEG files only.
• Non-supported files are displayed in the form of predefined icon.
• An error message occurs for corrupted files or file formats that cannot be played.
• Corrupted image files may not be displayed properly.
• It may take some time to view high-resolution images in full screen.

Browsing Photo List

1 Connect a USB storage device.

2 Press **USB** to access the Home menu.

3 Press the Navigation buttons to scroll to **Photo List** and press **OK**.

4 Press the Navigation buttons to scroll to the device you want and press **OK**.

5 Press Navigation buttons to select a folder or file you want and press **OK**.

No.	Description	
❶	Thumbnail	
	Abnormal files	
	Non-supported files	
❷	Contents List	
❸	Moves to upper level folder	
❹	Current page/Total pages of folders	
❺	Current page/Total pages of contents	
❻	Move to **Music List**.	
❼	Changes the number or thumbnails displayed at a time.	

No.	Description	
❽	Allows you to mark certain files. Select files you want and press **Color buttons**.	
	View Marked	Press **Red**. Display the selected photo.
	Mark All	Press **Green**. Mark all files in the folder.
	Unmark All	Press **Yellow**. Deselect all marked files.
	Exit Mark Mode	Press **Blue**. Enter or exit the Mark Mode.
❾	Exit.	

6 The following options are available while viewing photos.

Option	Description
◄ 2/13 ►	Select the previous or next photo.
Slideshow ▶	Selected photos are displayed during the slide show. If no photo is selected, all photos in the current folder are displayed during slide show. • Set the time interval of the slide show in **Option**-**Set Photo View.** menu.

Option	Description
BGM ▣	Listen to music while viewing photos in full size. • Set the **BGM** device and album in **Option-Set Photo View.** menu.
↻	Rotate photos. • Rotates the photo 90°, 180°, 270°, 360° clockwise. • Photos cannot be rotated if its width is greater than the available supported resolution height.
⌦	View the photo in full mode or original mode.
Q.MENU Option	Popup **Option** menu. See "Options for Photo List".
↻ Hide	Hide the menu on the full-sized screen. • To see the menu again on the full-sized screen, press **OK** button to display.
Exit	Return to **Photo List**.

Options for Photo List

1 Press **Q.MENU**.
A pop-up window will appears.

2 Press the Navigation buttons to scroll to the option and press **OK**.

3 Press the Navigation buttons to scroll to one of the following options and press **OK**.

Set Photo View.

Option	Description
Slide Speed	Selects a slideshow speed (Fast, Medium, Slow).
BGM	Selects a music folder for the background music. Select Repeat or Random option. • You cannot change the music folder while the background music is playing.

Set Video Play.
Allows you to change Video presets (Refer to "PICTURE Settings" on page 51).

Set Audio.
Allows you to change Audio presets (Refer to "AUDIO Settings" on page 56)
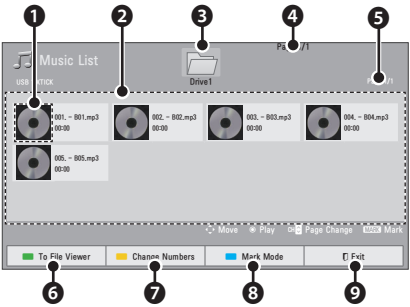
MUSIC LIST

* You can use the Music List menu to play MP3 files from a USB storage device.

Music Supported File Formats

MUSIC (*.MP3) supporting file
Bit rate range 32 Kbps - 320 Kbps
• Sampling rate MPEG1 Layer3 : 32kHz, 44.1kHz, 48kHz
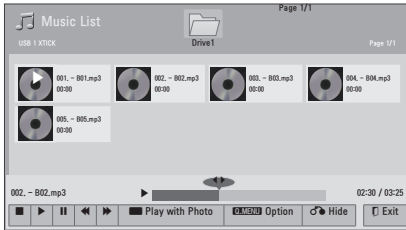• Sampling rate MPEG2 Layer3 : 16kHz, 22.05kHz, 24kHz

Browsing Music List

1 Connect a USB storage device.

2 Press **USB** to access the Home menu.

3 Press the Navigation buttons to scroll to **Music List** and press **OK**.

4 Press the Navigation buttons to scroll to the device you want and press **OK**.

5 Press Navigation buttons to select a folder or file you want and press **OK**.

No.	Description		
❶	Thumbnail		
	Abnormal files		
	Non-supported files		
❷	Contents List		
❸	Moves to upper level folder		
❹	Current page/Total pages of folders		
❺	Current page/Total pages of contents		
❻	Move to **File Viewer**.		
❼	Changes the number or thumbnails displayed at a time.		
❽	Allows you to mark certain files. Select files you want and press **Color buttons**.		
	Play Marked	Press **Red**. Play the selected songs..	
	Mark All	Press **Green**. Mark all files in the folder.	
	Unmark All	Press **Yellow**. Deselect all marked files.	
	Exit Mark Mode	Press **Blue**. Enter or exit the Mark Mode.	
❾	Exit.		

6 Control playback by using the following buttons.

Page 1/1

♫ Music List

USB 1:XTICK   Drive1   Page 1/1

001. ~ B01.mp3 00:00
002. ~ B02.mp3 00:00
003. ~ B03.mp3 00:00
004. ~ B04.mp3 00:00
005. ~ B05.mp3 00:00

002. ~ B02.mp3   ▶   02:30 / 03:25
■ ▶ ‖ ◀◀ ▶▶ ■ Play with Photo   Q.MENU Option   👓 Hide   ⏻ Exit

Option	Description
<, >	A cursor indicating the position can be played.
■	Stop playback.
▶	Return to normal playback.
‖	Paused playback.
◀◀ ▶▶	Select the previous or next song.
Play with Photo	Start playing the selected songs and then move to the **Photo List**.
Q.MENU Option	Popup **Option** menu.
👓 Hide	Hide the menu on screen. • To see the menu again on the full-sized screen, press **OK** button to display.
Exit	Return to **Music List**.

Options for Music List

1 Press **Q.MENU**.
   A pop-up window will appears.

2 Press the Navigation buttons to scroll to the option and press **OK**.

3 Press the Navigation buttons to scroll to one of the following options and press **OK**.

Set Audio Play.
Select Repeat or Random option.

Set Audio.
Allows you to change Audio presets (Refer to "AUDIO Settings" on page 56)

FILE VIEWER

Supported File Formats

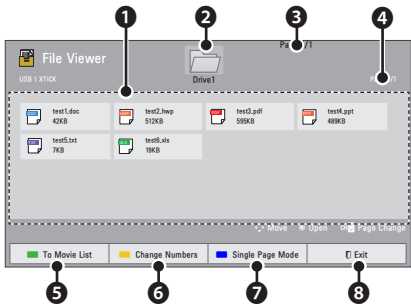Supported File : XLS, DOC, PPT, TXT, XLSX, PPTX, DOCX, PDF
Microsoft Office Version 97 / 2000 / 2002 / 2003 / 2007
Adobe PDF Version 1.0 / 1.1 / 1.2 / 1.3 / 1.4
• File Viewer realigns the document, so it may look different than when viewed on a PC.
• For the documents that include images, the resolution may look lower during the realigning process.
• If the document volume is big or it has many pages, loading may take a long time.
• Unsupported fonts may be replaced with other fonts.

Browsing File Viewer

1 Connect a USB storage device.

2 Press **USB** to access the Home menu.

3 Press the Navigation buttons to scroll to **File Viewer** and press **OK**.

4 Press the Navigation buttons to scroll to the device you want and press **OK**.

5 Press Navigation buttons to select a folder or file you want and press **OK**.

No.	Description
❶	Contents List
❷	Moves to upper level folder
❸	Current page/Total pages of folders
❹	Current page/Total pages of contents
❺	Move to **Movie List**.
❻	Changes the number or thumbnails displayed at a time.
❼	**Single Page Mode** — Loads and displays pages one by one. The initial loading time is short but a content-heavy page may be displayed slowly.
	Full Document Mode — Loads all pages of a file to memory before it starts to display them. The initial loading time is long but you can navigate pages quickly after loading is complete. If a file is too large, it may fail to load all the pages.
❽	Exit.

6 Control playback by using the following buttons.

- Press **Page** to move the previous or next page.
- Press **VOL** to Zoom in or zoom out.
- 1. Press **Menu**.
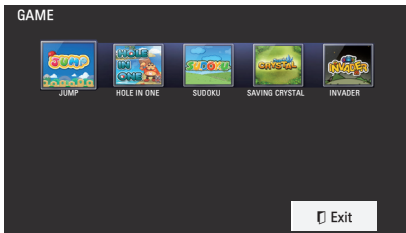 2. Press the Navigation buttons to scroll to **Go page** or **Zoom** press ∧.

| Menu | Go Page | Q Zoom | ⌒● Hide |
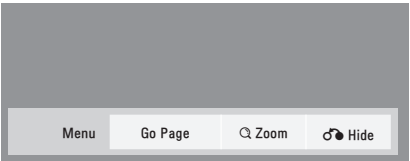
Option	Description
Go Page	Move to a desired page. Press the navigation or Number buttons select a desired page and press **OK**.
Q **Zoom**	Zoom in or zoom out. Press the navigation buttons select a desired page and press **OK**.
⌒● **Hide**	Close the menu. • To see the menu again on the full-sized screen, press **MENU** to display.

PLAY GAME

Allows you to enjoy the games
installed on the projector.

1 Press **Menu** to access the menu.
2 Press the Navigation buttons to
   scroll to **GAME** and press **OK**.

3 When you are finished, press **EXIT**.

CUSTOMIZING SETTINGS

The SETUP Menu

1 Press **Menu** to access the menu.

2 Press the Navigation buttons to scroll to one of the following menus and press **OK**.

3 Press the Navigation buttons to scroll to the setting or option you want and press **OK**.

4 When you are finished, press **OK**.

Menu		Description
	PICTURE	Adjusts the image quality or effect.
	SCREEN	Adjusts the screen mode, size, or keystone.
	AUDIO	Adjusts the sound quality, effect, or volume level.
	TIME	Sets the timer feature.
	OPTION	Customizes the general settings.
	INPUT	Select the desired input source.
	MY MEDIA	Access the photo, music, movie, or file lists and browse files.
	NETWORK	Changes network settings
	INFORMATION	Shows information about the projector.
	GAME	Allows you to enjoy the games installed on the Projector.

PICTURE Settings

1 Press **Menu** to access the menu.
2 Press the Navigation buttons to scroll to **PICTURE** and press **OK**.
3 Press the Navigation buttons to scroll to the setting or option you want and press **OK**.
  - To return to the previous level, press **BACK**.
4 When you are finished, press **EXIT**.

```
PICTURE                          ✛ Move  ⦿ OK

  • Picture Mode  : Standard
                    • Contrast       50 ▮▮▮▮▯
                    • Brightness     50 ▮▮▮▮▯
                    • Sharpness       5 ▮▯
                    • Color          70 ▮▮▮▮▮
                    • Tint            0 ▮▮▮▮▮▮▮▮▮
                    • Advanced Control
                    • Picture Reset
```

The available picture settings are described in the following.

Setting	Description	
Picture Mode	Selects one of the preset image or customizes options in each mode for the best screen performance. You are also able to customize advanced options of each mode. You can also use this function through the **PICTURE** button.	
	Mode	
	Vivid	Adjusts the video image for the retail environment by enhancing the contrast, brightness, color, and sharpness.
	Standard	Adjusts the image for the normal environment.
	Cinema	Optimizes video image for a cinematic look to enjoy movies as if you are in a movie theater.
	Sport	Optimizes the video image for high and dynamic actions by emphasizing primary colors such as white, grass, or sky blue.
	Game	Optimizes the video image for a fast gaming screen for PCs or games.
	Expert	Adjusts the detailed video image settings for video experts as well as general viewers.
Contrast	Increases or decreases the gradient of the video signal. You may use Contrast when the bright part of the picture is saturated.	
Brightness	Adjusts the base level of the signal in the picture.	
Sharpness	Adjusts the level of sharpness in the edges between the light and dark areas of the picture. The lower the level, the softer the image.	

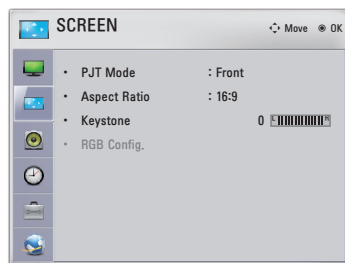| Setting	Description
Color	Adjusts intensity of all colors.
Tint	Adjusts the balance between red and green levels.
Advanced Control or Expert Control	Customizes the advanced options.
Picture Reset	Restores the options of each mode to the factory default.

Advanced / Expert Control Options

Setting	Description
Dynamic Contrast	Adjusts the contrast to keep it at the best level according to the brightness of the screen. The picture is improved by making bright parts brighter and dark parts darker.
Dynamic Color	Adjusts screen colors so that they look livelier, richer and clearer. This feature enhances hue, saturation and luminance so that red, blue, green and white look more vivid.
Clear White	Make the white area of screen brighter and more white.
Skin color	It detects the skin area of video and adjusts it to express a natural skin color.
Noise Reduction	Reduces screen noise without compromising video quality.
Digital Noise Reduction	Removes noise caused by compressing video.
Gamma	• **Low**: Make dark and middle gray level area of the picture brighter. • **Medium**: Express original picture levels. • **High:** Make dark and middle gray level area of the picture darker. You can adjust brightness of dark area and middle gray level area of the picture.
Black Level	• **Low**: The reflection of the screen gets darker. • **High:** The reflection of the screen gets brighter. Set black level of the screen to proper level. This option is disabled in **RGB-PC** mode.
Real Cinema	Makes video clips recorded in film look more natural by eliminating judder effect.
Color Gamut	• **Standard:** Displays standard color area. • **Wide:** Mode to use and set the rich color area of the display. Maximize the utilization of color to increase color quality.
Edge Enhancer	Show clearer and distinctive yet natural corners of the video.
xvYCC	This feature represents rich color as much as conventional video signal. This function is enabled in "**Picture mode** - **Cinema**, **Expert**" when a **xvYCC** signal is inputted through HDMI.
Expert Pattern	This is a pattern used for expert adjustment.

Setting	Description
Color Filter	This function filters specific colors in the video. You can use the RGB filter to set color saturation and hue accurately.
Color Temperature	This is the function to adjust the overall color of the screen to the feeling you want. Select **Cool**, **Medium**, **Warm**. When **Expert** mode, customizes the options of each mode.

	Gamma: Select **1.9**, **2.2**, **2.4**
	a. **Method**: **2 Points**
	  - **Pattern**: **Inner**, **Outer**
	  - **Red/Green/Blue Contrast**, **Red/Green/Blue Brightness**: The adjustment range is **-50** - **+50**.
	b. **Method**: **10 Points IRE**
	  - **Pattern**: **Inner**, **Outer**
	  - **IRE** (Institute of Radio Engineers) is the unit to display the size of the video signal and can be set among **10**, **20**, **30** - **90**, **100**. You can adjust Red, Green or Blue according to each setting.
	  - **Luminance**: This function displays calculated luminance value for **2.2** gamma. You can input luminance value you want at **100** IRE, than the target luminance value for **2.2** gamma is displayed at every 10 steps from **10** IRE to **90** IRE.
	  - **Red/Green/Blue**: The adjustment range is **-50** - **+50**.

Color Management System	As the tool used by the experts to make adjustments by using the test patterns, this does not affect other colors but can be used to selectively adjust the 6 color areas (Red/Green/Blue/Cyan/Mgt/Yellow). Color difference may not be distinctive even when you make the adjustments for the general video. Adjusts Red/Green/Blue/Yellow/Cyan, Magenta. - **Red/Green/Blue/Yellow/Cyan, Magenta Color**: The adjustment range is **-30** - **+30**. - **Red/Green/Blue/Yellow/Cyan, Magenta Tint**: The adjustment range is **-30** - **+30**.

SCREEN Settings

1 Press **Menu** to access the menu.
2 Press the Navigation buttons to scroll to **SCREEN** and press **OK**.
3 Press the Navigation buttons to scroll to the setting or option you want and press **OK**.
   - To return to the previous level, press **BACK**.
4 When you are finished, press **EXIT**.

The available screen settings are described in the following.

Setting	Description
PJT Mode	This function turns the projected image upside down or flips it horizontal. Select **Rear** when projecting from the back of the transparent screen purchased separately. Select **Ceiling** when installing the product on the ceiling. When **PJT Mode** is **Rear/Front Ceiling**, the left/right of the speaker changes automatically.
Aspect Ratio	Changes the image size to view images at its optimal size. (See p.18)
Keystone	Use this function when the screen is not at a right angle to the projector and the image is a trapezoid shape. (See p.19)
RGB Config.	Customizes the PC display options.
	Option
	Resolution Selects a proper resolution when your PC uses 768 resolution (1024x768/1280x768/1360x768, 60Hz) and 1050 resolution (1400x1050/ 1680x1050, 60Hz).
	Auto Config. Sets the projector to optimize the options automatically for the projector display. You can also use this function through the **AUTO** button.
	Position Locates the image at the proper position.
	Size Adjusts the image size.
	Phase Eliminates horizontal streaking.
	Reset Restores the options to the default setting.

AUDIO Settings

1 Press **Menu** to access the menu.

2 Press the Navigation buttons to scroll to **AUDIO** and press **OK**.

3 Press the Navigation buttons to scroll to the setting or option you want and press **OK**.
   - To return to the previous level, press **BACK**.

4 When you are finished, press **EXIT**.
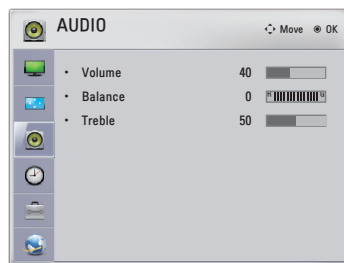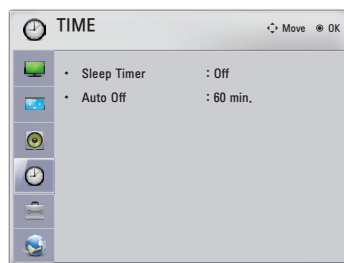
The available audio settings are described in the following.

Setting	Description
Volume	Adjusts the volume level. You can also use this function through the **VOL** button.
Balance	Adjust the left/right sound of speaker to suit your taste and room situations.
Treble	Adjust the treble to suit your taste and room situations.

TIME Settings

1 Press **Menu** to access the menu.

2 Press the Navigation buttons to scroll to **TIME** and press **OK**.

3 Press the Navigation buttons to scroll to the setting or option you want and press **OK**.
   - To return to the previous level, press **BACK**.

4 When you are finished, press **EXIT**.

The available time settings are described in the following.

Setting	Description
Sleep Timer	Sets the length of time until the projector to turns off. When you turn the projector off and turn it on again, the Sleep timer feature will be set to off.
Auto Off	This function turns the projector off automatically after the preset time is passed when there is no signal.

OPTION Settings

1 Press **Menu** to access the menu.

2 Press the Navigation buttons to scroll to **OPTION** and press **OK**.

3 Press the Navigation buttons to scroll to the setting or option you want and press **OK**.
   - To return to the previous level, press **BACK**.

4 When you are finished, press **EXIT**.

OPTION	✦ Move ◉ OK
• Language	: English
• Blank Image	: Blue
• LED Mode	: Normal
• Auto Power	: Off

The available option settings are described in the following.

Setting	Description
Language	Selects a desired Menu Language.
Blank Image	You can choose the background color to the selected Blank function.(See p.20)
LED Mode	To adjust the brightness of the screen.
	LED Mode changes into Dimming mode automatically if use a portable battery.
	LED Mode changes into Dimming mode automatically if there is no input signal.
	You can also use this function through the **Q.MENU** button.
Auto Power	To make projector turned on automatically when the plug of adapter is inserted.

Auto Power	Option	
	On	When connect DC plug to the projector, projector turns on automatically.
	Off	When connect DC plug to the projector, projector enters standby state.

NETWORK Settings

1 Press **Menu** to access the menu.

2 Press the Navigation buttons to scroll to **NETWORK** and press **OK**.

3 Press the Navigation buttons to scroll to the setting or option you want and press **OK**.
  - To return to the previous level, press **BACK**.

4 When you are finished, press **EXIT**.
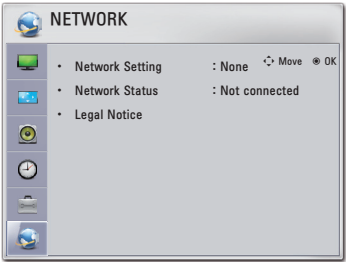
The available network settings are described in the following.

Setting	Description
Network Setting	Configure the network settings. (See p.22)
Network Status	Display the network status. (See p.26)
Legal Notice	Display the Legal notice. (See p.28)

MAKING CONNECTIONS

Connect various external devices to the ports on the projector.

Computer/Notebook

DVD

VCR

Digital Device

USB

Headphone

HDMI – See p.60
Component – See p.60
Composite – See p.61
RGB – See p.61
Memory storage – See p.30
Audio - See p.62

Gaming Device

Connecting to a HD receiver, DVD, or VCR player

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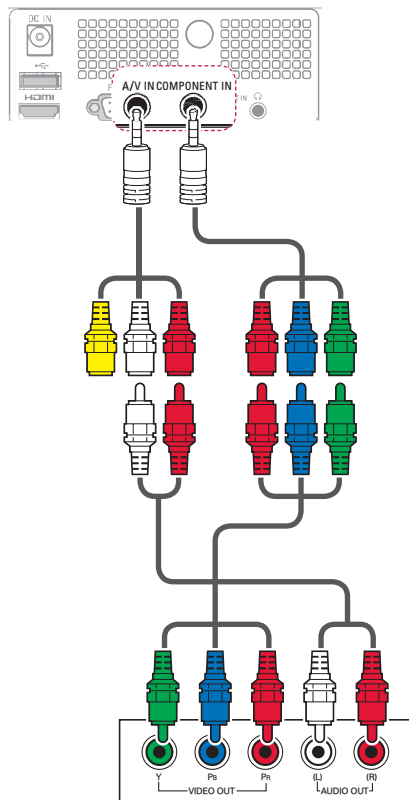
HDMI Connection

Transmits the digital video and audio signals from an external device to the projector. Connect the external device and the projector with the HDMI cable as shown in the following illustration.
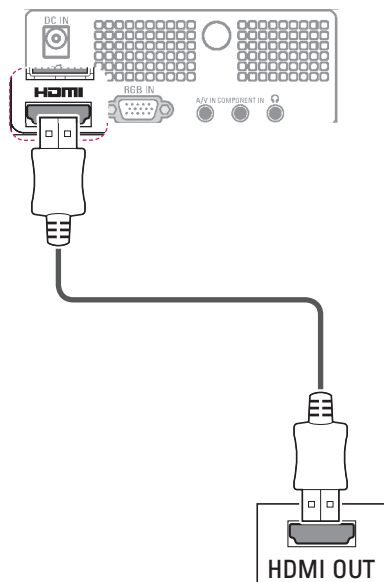

Component Connection

Transmits the analog video and audio signals from an external device to the projector. Connect the external device and the projector with the component cable as shown in the following illustration.

Composite Connection

Transmits the analog video and audio signals from an external device to the projector. Connect the external device and the projector with the composite cable as shown in the following illustration.
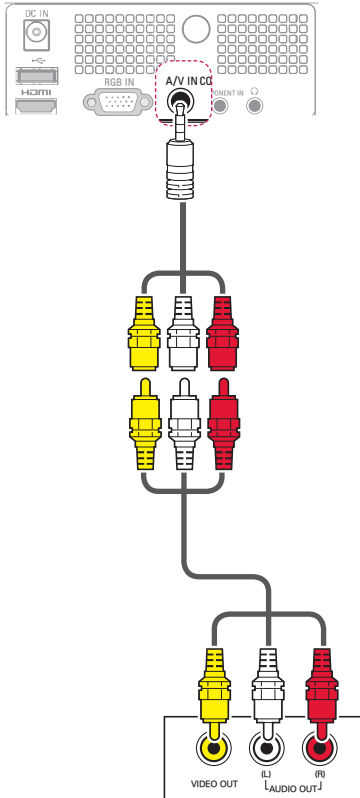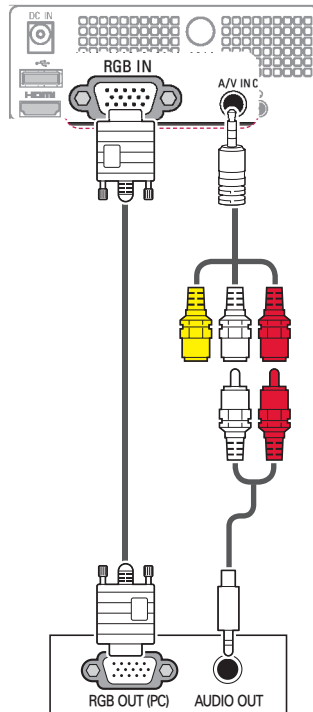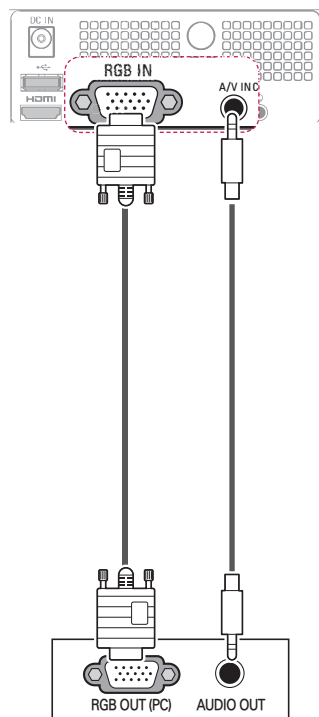

Connecting to a PC

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

RGB Connection

Transmits the analog video signal from your PC to the projector. Connect the PC and the projector with the D-sub 15 pin signal cable as shown in the following illustrations.
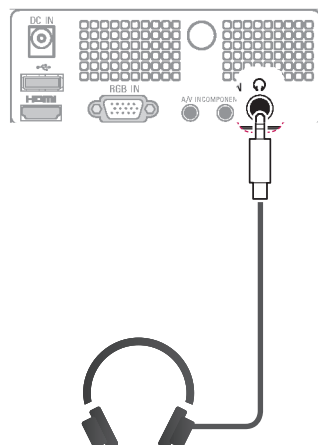To transmit an audio signal, connect a 3-pole audio cable from PC to the projector.

Connecting to a Headphone

Listen to the sound through a headphone.

MAINTENANCE

Update and clean your projector regularly to keep the best performance and to extend the product lifespan.

Updating the Projector Firmware

Download and install the latest firmware by connecting to the firmware update server to enhance or change the product function, or add new features.
The firmware update may not work properly depending on the Internet environment. If so, you may obtain the latest firmware update from the authorized LG Electronics service center.
To check the current firmware version or update the firmware,

1 Press **MENU** to access the menu.

2 Press the **Red** buttons to access **Customer Support**.

3 Press the Navigation buttons to scroll to **Software Update** and press **OK**.
The current firmware version displays.

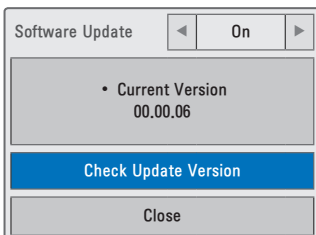| Software Update	◄	On	►
	• Current Version		
	00.00.06		
	Check Update Version		
	Close		

4 Select **Check Update Version** to check a new firmware version manually.

When selecting "**Software Update-On**"

- If the projector is connected to the internet and it finds a software update on the LG server, the update popup menu will appear automatically.
- If the updated digital software information is transmitted, the update popup menu will appear automatically.

NSU (Network Software Update):
When software update is on, the projector will automatically check for software updates. A pop-up window will appear on the screen when an update is available.

⚠ NOTE

- The software downloading time will vary depending on the software size and network conditions.
- During the software update procedure, do not turn off the projector or disconnect AC power, or disconnect the network.
- After software update, you can confirm the update software version at software Update menu.
- When update is completed, the projector will restart automatically in 5 seconds.
- The projector functions may be improved or changed by software update.
- The available time or functionality of NetCast menu may be depends on your ISP network conditions.
- When an update is completed, some CHANNEL, PICTURE, and AUDIO menu settings may need resetting.
- This projector cannot be updated to previous software version.
- Use the "**Check Update Version**" button to update the latest software on the Network server manually.
- You cannot open NetCast while the software is being updated.

# Cleaning the Projector

Cleaning the lens

Use an air spray or cleaning cloth for product exterior, provided with the product, to lightly clean the product. Please use a recommended air spray or lens cleaning product.To clean lens, small amount of cleaning agent on a swab or a soft cloth and rub on the lens. Please be aware that liquid may flow pass through the lens if the product is sprayed on lens directly.

Cleaning the Projector Case

To clean the projector case, first unplug the power cable. To remove dirt or dust, wipe the casing with polish cloth provided. When you want to remove the dust or stain on the lens, use the cloth for product exterior, provided with the product. Do not use alcohol, benzene, thinners or other chemical detergents as these can cause the casing to be warped or discolored.

How to Fix the Lens Cap

1 Prepare the lens cap and the strap supplied as accessories.

2 Insert the end of the strap into the hole at the bottom of the lens section of the projector.
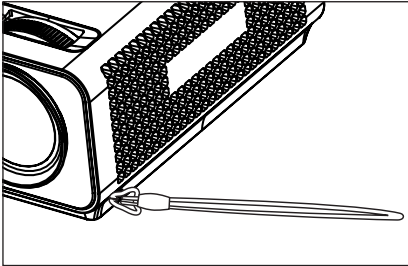
3 Fix the strap at the hole of the projector into the hole of the lens cap, and then pass the lens cap through the strp lasso.
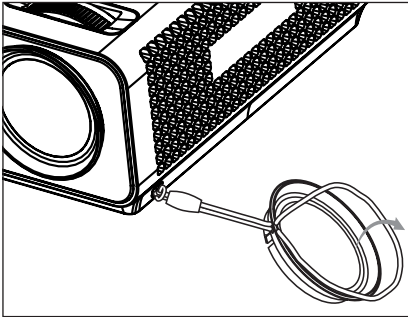
SPECIFICATIONS

MODEL	HW300Y(HW300Y-JE) HW301Y(HW301Y-JE)	
Resolution (Pixel)	1280 (Horizontal) × 800 (Vertical)	
Ratio	16:10 (Horizontal:Vertical)	
Panel size (mm)	11.623	
Projection distance (Screen size)	0.59 m - 3.00 m (50.8 cm - 254.0 cm)	
Projection Offset	100 %	
Remote control distance	6 m	
Video compatibility	NTSC/PAL/PAL-M/PAL-N/PAL-60	
AC-DC Adapter	19.5 V ⎓, 5.64 A	
Audio Output	1 W + 1 W	
Height (mm)	54.0 (without foot), 57.0 (with foot)	
Width (mm)	160.0	
Length (mm)	119.5	
Weight (g)	780	
USB Device	5 V, 0.5 A (max)	
Operating Condition	Temperature	
	In operation	0°C - 40°C
	In storage and transit	-20°C - 60°C
	Humidity (relative humidity)	
	In operation	0 % - 80%
	Not in operation	0 % - 85%

RGB-PC supported mode

Format	Vertical Freq. (Hz)	Horizontal Freq.(kHz)
640X350	70.090	31.468
720X400	70.080	31.469
640X480	59.940	31.469
800X600	60.310	37.879
1024X768	60.000	48.363
1152X864	60.053	54.348
1280X768	59.870	47.776
1280X800	60.000	49.680
1360X768	60.015	47.712
1280X1024	60.020	63.981
1400X1050	59.979	65.317
1680X1050	60.000	65.300

- If the projector does not support the input signal, "Invalid Format" message appears on the screen.
- The projector supports DDC1/2B type as Plug & Play. (Auto recognition of PC monitor)
- PC synchronization signal types supported: Separate type synchronization.
- To get the the best picture quality, adjust the PC graphics card to 1280x800.

OPEN SOURCE LICENSE

To obtain the source code under GPL, LGPL, MPL and other open source licenses, that is contained in this product, please visit **http://opensource.lge.com**.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG
Life's Good

The model and serial number of the
projector is located on the back or one side
of the projector. Record it below should you
ever need service.

MODEL _____

SERIAL _____