



APPENDIX G
: USER'S MANUAL



LG

Life's Good

OWNER'S MANUAL

LCOS PROJECTOR

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

CF3DAT

LCOS PROJECTOR



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.

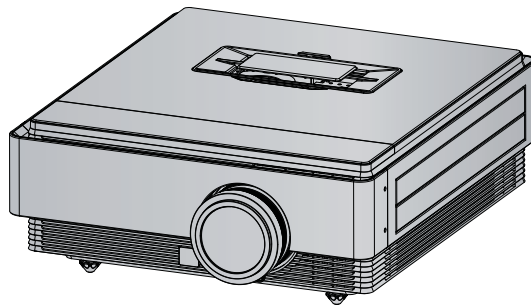
WARNING/CAUTION

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

This device meets the EMC requirements for home appliances (Class B) and is intended for home usage. This device can be used in all regions.

HDMI™

HDMI, HDMI logos and High-Definition Multimedia Interface are the trademarks or registered trademarks of HDMI Licensing LLC.



Contents

Safety Precautions

Parts and Components

Main Unit	7
Control Panel	7
Back	8
Name of remote control buttons	9
How to insert a battery	9
Projector Status Indicators	10
Accessories	11
Optional Extras	11

Installation and Configuration

Caution on Installation	12
Projection Distance per Screen Size	13
Turning on the Projector	14
Turning off the Projector	14
Focus and Position of the Screen Image	15
Selecting Input Signal	15

Connecting Device

Connecting a Speaker or Headphones	16
Connecting an Antenna	16
Connecting to a PC	16
Connecting to a Video Player	17
Connecting to a DVD Player	17
Connecting to a DTV Set-Top Box	17

3D Function

Caution When Watching 3D Video	18
Requirements for Watching 3D Images	18
Watching 3D Images	19
Setting 3D Mode	20
Exiting 3D Mode	20

Function

Channel Functions

Auto Tuning	21
Changing Channels	21
Saving or Deleting Channels	21
Editing Channels	22
Setting Favorite Channels	22
Using the List of Favorite Channels	22
Viewing Program Information	23
Checking Schedule List	23
Displaying Program Information	23

Video Function

Picture Mode	24
Adjusting Color Temperature	24
Adjusting Picture Settings	25
Advanced Options	25
Picture Initialization Function	27
TruMotion Demo Function	27

Screen Function

Using the Pause Function	27
Using the Screen Size Function	28
Test Pattern Function	28
Using Keystone	28
Changing Projection Mode	28
Using the AUTO Function	29
Adjusting PC Input	29

Audio Function

Adjusting Volume	29
Using the Multi Audio Function	29

Time Function

Setting Current Time	30
Scheduling On and Off	30
Using SLEEP Function	31
Auto Off	31

General Functions

Selecting a Language	32
Selecting Language	32
Using Closed Captioning	32
Using the Blank Image Function	33
Selecting the Blank Image Color	33
Camera Calibration	33
To adjust the brightness of the screen,	34
High Altitude	34
Network Settings	34
Setting SET ID	36
Setting the Name of a Connected Device	36
Setting Power Sound	36

LOCK

Setting a Password	37
Changing a Password	37
Locking System	37
Enabling Block Channel	38
Enabling Input Block	38

Information Function

Checking Projector Information	38
Serial Communication Function	
Establishing Serial Communication	39
Communication Protocol	39
Communication using Hyper Terminal	45

Miscellaneous

Supported Monitor Display	47
Maintenance	48
Do not turn off the projector	50
Troubleshooting	52
Service	53
Product Specifications	54
Open Source software Information	55

Safety Precautions

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

- **Safety Instructions are given in two forms, i.e. 'Warning' and 'Notes' as detailed below.**
- ▲ **Warning:** The violation of this instruction may cause serious injury and even death.
- ⚠ **Note:** The violation of this instruction may cause injury or damage to the projector.
- **Read the owner's manual carefully and keep it at hand.**

Indoor Installation**Warning**

<p>Do not place the projector in direct sunlight or near heat sources such as radiators, fires, stoves etc.</p> <p>There is risk of fire.</p>	<p>Do not place flammable materials such as aerosols near the projector.</p> <p>There is risk of fire.</p>	<p>Do not allow children to hang from or climb on the projector.</p> <p>This may cause the projector to fall, causing injury or death.</p>
<p>Do not install the product in a place with no ventilation (e.g., on a bookshelf or in a closet) or on a carpet or cushion.</p> <p>Failure to do so may result in a fire due to the increase in the internal temperature.</p>	<p>Do not place the projector close to sources of steam or oil such as a humidifier or kitchen counter.</p> <p>This may create a fire hazard or cause electric shock.</p>	<p>Do not place the projector where it might be exposed to dust.</p> <p>There is risk of fire.</p>
<p>Do not use the projector in a damp place such as a bathroom where it is likely to get wet.</p> <p>This may create a fire hazard or result in electric shock.</p>	<p>Make sure the air vent is not blocked by a tablecloth or curtain.</p> <p>Failure to do so may result in a fire due to the increase in the internal temperature.</p>	<p>Ensure good ventilation around the projector. The distance between the projector and the wall should be more than 30 cm.</p> <p>Failure to do so may result in a fire due to the increase in the internal temperature.</p>

Indoor Installation**Caution**


<p>When placing the projector on a table or shelf, be careful not to put it near the edge.</p> <p>The projector could fall, causing injury, and damage to the projector. Only use a suitable stand.</p>	<p>Disconnect the projector from the power supply and all connected apparatus before moving or cleaning.</p> <p>The power cord may be damaged and may create a fire hazard or result in electric shock.</p>	<p>Do not place the projector on an unstable or vibrating surface such as a wobbly shelf or a slope.</p> <p>It may fall and cause injury.</p>
--	--	--

Power**Warning**

<p>The earth cable should be connected.</p> <p>Ensure that you connect the earth cable to prevent possible electric shock. If it is not possible to ground the unit, have a qualified electrician install a separate circuit breaker. Do not try to ground the projector by connecting it to telephone wires, lightning rods or gas pipes.</p>	<p>The power plug should be inserted fully into the power outlet.</p> <p>An unstable connection may cause a fire.</p>	<p>Do not place heavy objects on the power cord.</p> <p>This may create a fire hazard or cause electric shock.</p>
---	--	---

Power  **Warning**

<p>Never touch the power plug with wet hands.</p> <p>The fluid can cause blindness.</p>	<p>Do not plug too many devices into one multi-power outlet.</p> <p>This may result in the power outlet overheating and creating a fire hazard.</p>	<p>Prevent dust from collecting on the power plug pins or outlet.</p> <p>The fluid can cause blindness.</p>
--	--	--

Power  **Caution**

<p>Hold the plug firmly when unplugging.</p> <p>A damaged wire may create a fire hazard.</p>	<p>Ensure the power cord and plug are not damaged, modified, severely bent, twisted, pulled, sandwiched or hot. Do not use the product if the power outlet is loose.</p> <p>This may create a fire hazard or cause electric shock.</p>	<p>Keep the power cord away from heating devices.</p> <p>The wire coating may melt, which may cause a fire or result in electric shock.</p>
---	---	--

<p>Place the projector where people will not trip over or tread on the power cord to protect the power cord and plug from any damage.</p> <p>This may create a fire hazard or cause electric shock.</p>	<p>Do not turn the projector on/off by plugging in the power plug or unplugging it from the power outlet. (Do not use the power plug as a switch.)</p> <p>This may create a fire hazard or result in electric shock.</p>
--	---

When in Use  **Warning**

<p>Do not place anything containing liquid on top of the projector such as a flower vase, flower pot, cup, cosmetics, or medicine; or ornaments, candles, etc.</p> <p>This may create a fire hazard, result in electric shock, or cause injury due to falling.</p>	<p>In the event that there is a big impact shock or the cabinet is damaged, switch it off, unplug it from the power outlet and contact an authorized service center.</p> <p>This may create a fire hazard or cause electric shock.</p>	<p>Do not insert pieces of metal such as coins, hairpins or metal debris, nor flammable materials such as paper or matches into the projector.</p> <p>This may create a fire hazard or cause electric shock.</p>
---	---	---

<p>In the event that liquid or a foreign object falls into the projector, please switch it off and unplug it from the power outlet and contact an LG Electronics Service Center.</p> <p>This may create a fire hazard or cause electric shock.</p>	<p>Make sure that a child does not swallow the batteries when you replace the old remote control batteries with new ones. Keep batteries out of reach of children.</p> <p>If a child swallows a battery, consult a doctor immediately.</p>
---	---

<p>Do not remove any covers except the lens or dust covers. There is a high risk of electric shock.</p>	<p>Do not look directly into the lens when the projector is in use. The strong light may damage your eyes.</p>	<p>When the lamp is on or has just been turned off, avoid touching the air vent or lamp cover because they will be very hot.</p>
--	---	---

When in Use  **Warning**


<p>If there is a gas leak, do not touch the power outlet, and open the windows for ventilation.</p> <p>Sparks may cause fire or burns.</p>	<p>Always open the lens door and remove the lens cap when the projector lamp is on.</p>
---	--

When in Use  **Caution**

<p>Do not place heavy objects on the projector.</p> <p>It may fall and cause injury.</p>	<p>Be careful not to allow impact to the lens during transport.</p>	<p>Do not touch the lens. The lens may be damaged.</p>
<p>Do not use any sharp tools on the projector such as a knife or hammer, because this may damage the casing.</p>	<p>In the event that no image appears on the screen, please switch off the projector, unplug it from the power outlet and contact the LG Electronics Service Center.</p> <p>This may create a fire hazard or cause electric shock.</p>	<p>Do not drop anything onto the projector or allow anything to impact the projector.</p> <p>This may cause mechanical failure or personal injury.</p>

Cleaning  **Warning**


<p>Do not spray the projector with water when cleaning. Make sure water does not flow into the projector.</p> <p>This may create a fire hazard or cause electric shock.</p>	<p>In the unlikely event of smoke or a strange smell coming out from the projector, switch it off, unplug it from the power outlet and contact the LG Electronics Service Center.</p> <p>Otherwise, it may create a fire hazard or result in electric shock.</p>	<p>Use an air spray or soft cloth or cotton swab moistened with a lens cleaning chemical or alcohol to remove dust or stains on the front projection lens.</p>
--	---	---

Cleaning  **Caution**

<p>You need to clean the projector periodically.</p> <p>If you do not clean the projector, dust will accumulate inside and may create a fire hazard or malfunction.</p>	<p>When cleaning plastic parts such as the projector case, unplug the power first and wipe with a soft cloth. Do not spray with water or wipe with a wet cloth. Never use glass cleaner, automobile or industrial shiner, abrasives or wax, benzene, alcohol etc., which can damage the projector.</p> <p>This may create a fire hazard, result in electric shock or product damage (deformation, corrosion or breakage).</p>
--	--

Miscellaneous  **Warning**

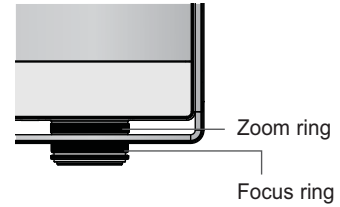
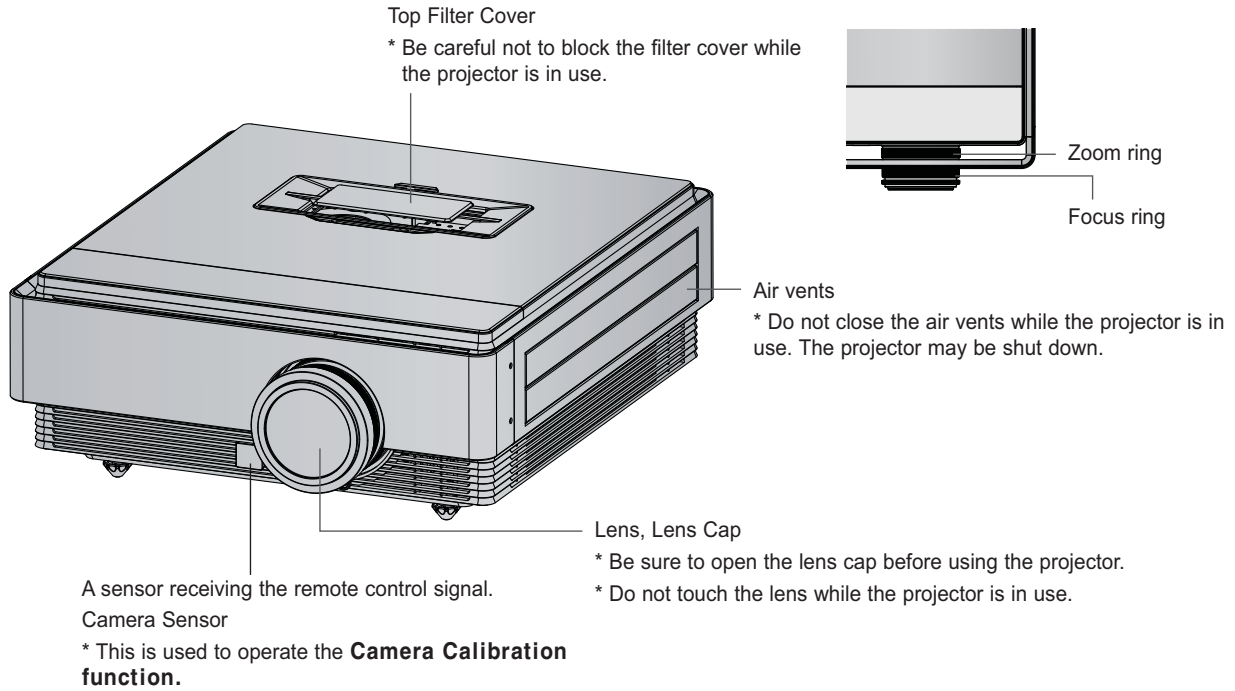
<p>Only a qualified technician can disassemble or modify the projector. For diagnosis, adjustment, or repair, contact your seller or service center.</p> <p>This may create a fire hazard or cause electric shock.</p>

Miscellaneous  **Caution**

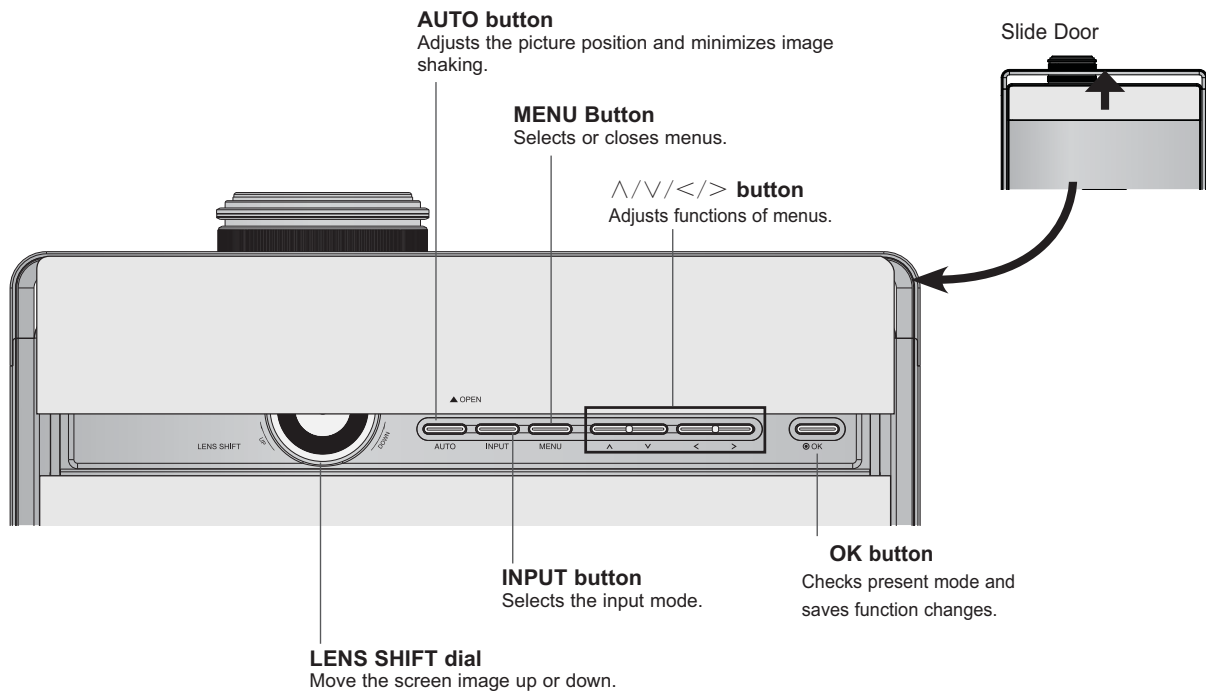
<p>Do not mix new batteries with old ones.</p> <p>Burst or leaking batteries are a fire hazard or may result in electric shock.</p>	<p>Be sure to unplug if the projector is not to be used for a long period.</p> <p>Accumulated dust is a fire hazard and may result in electric shock due to overheating, ignition, or poor insulation.</p>	<p>Only use the specified type of battery.</p> <p>Burst or leaking batteries are a fire hazard or may result in electric shock.</p>
--	---	--

Parts and Components

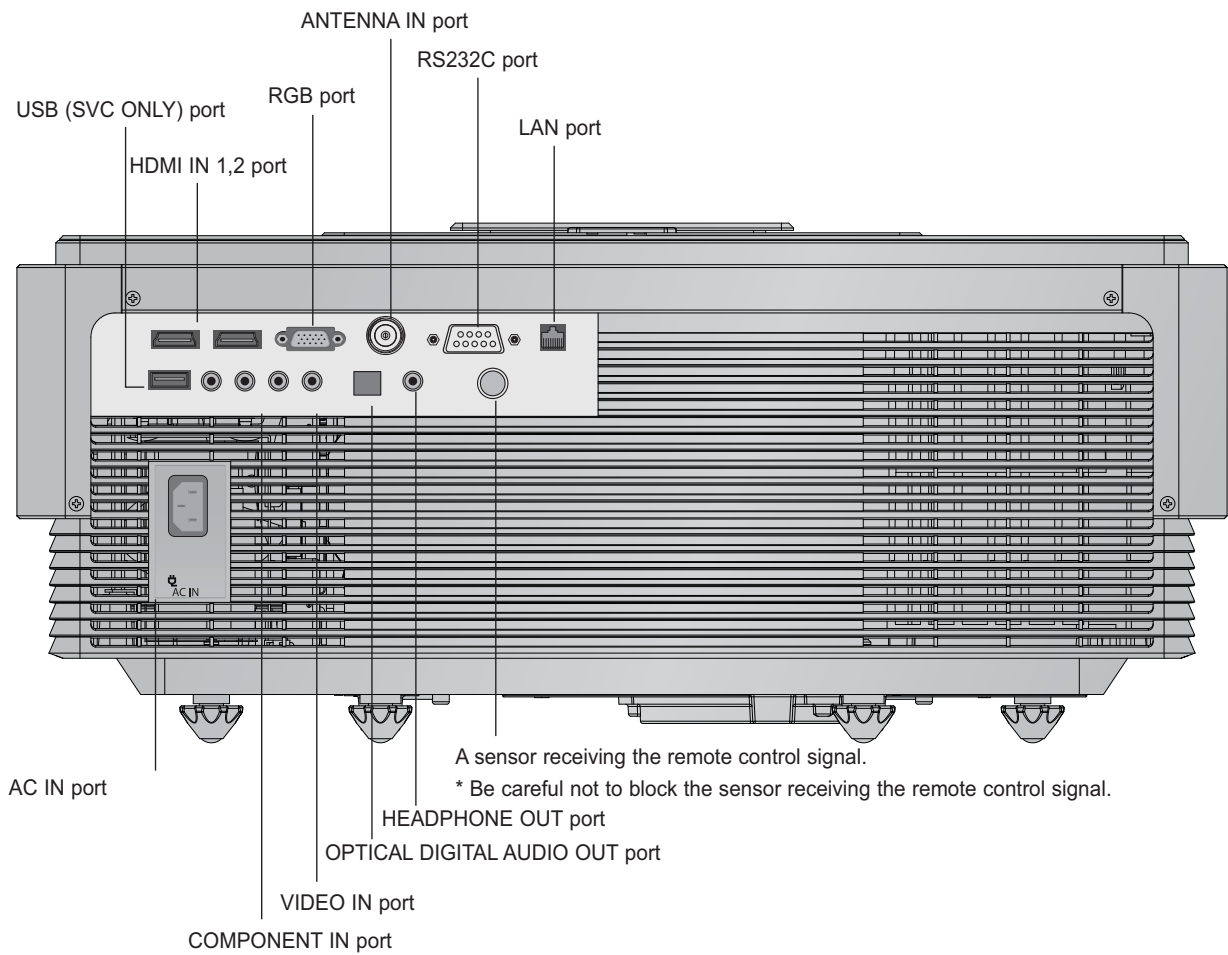
Main Unit



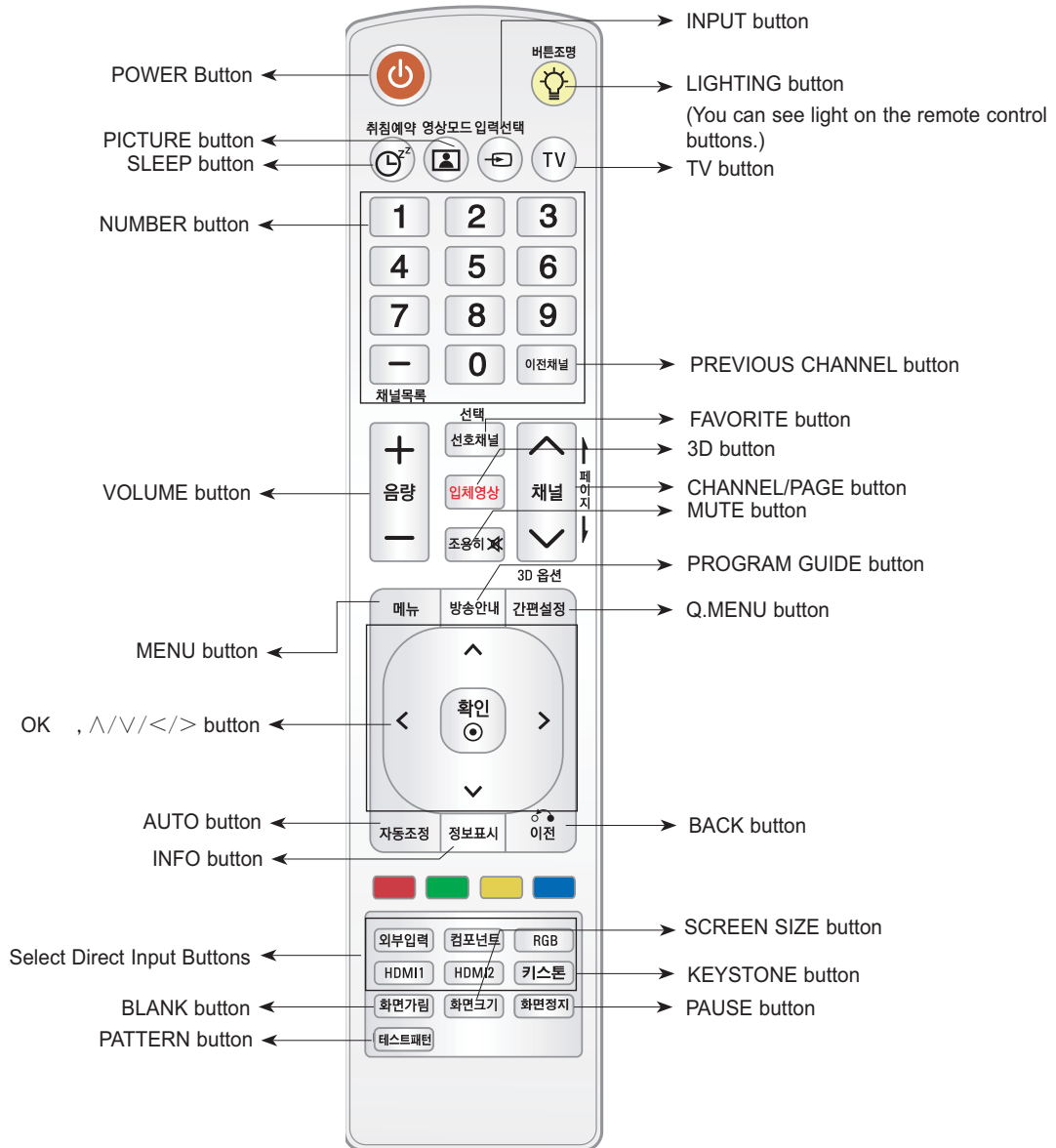
Control Panel



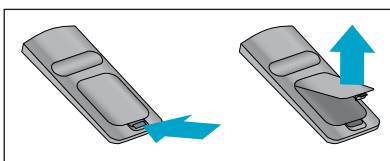
Back



Name of remote control buttons



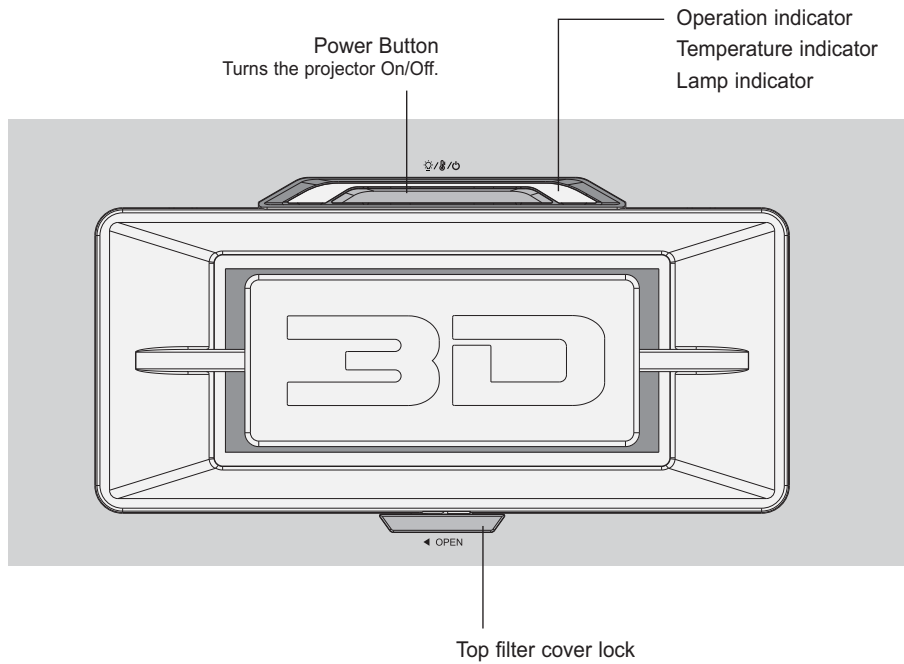
How to insert a battery



- Open the lid at the back of the remote control and insert batteries as described by the + - instructions.
- Use new batteries of the same kind (1.5V AAA).

Projector Status Indicators

* Lamp indicator, operation indicator and temperature indicator at the top of the projector show the user the operating status of the projector.



Display	Blue	Standby.
	Green (Blinking)	On
	Green	The projector is in use.
	Cyan (Blinking)	Power off (It takes about 90 seconds for the lamp to switch off completely.).
Temperature	Red (Blinking)	An error has occurred in the internal cooling fan.
	Yellow	High temperature warning.
	Yellow (Blinking)	The projector is automatically turned off due to excessive heat.
Lamp	Magenta	The lamp is reaching the end of its life and needs to be replaced with a new lamp.
	Magenta (Blinking)	An error has occurred in the lamp.
	Red	The lamp cover is open.
Air vent	Cyan	An error has occurred in the air vent.
Filter	Blue (Blinking)	The filter cover is open.

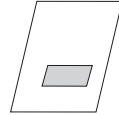
Accessories



REMOTE CONTROL



Battery (AAA) 2EA



User Guide



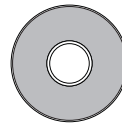
3D Glasses



Power Cord



Polishing Cloth



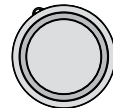
eZ-Net Manager CD



Top Filter



Bottom Filter

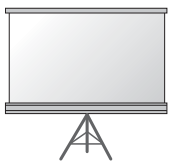


Lens Cap

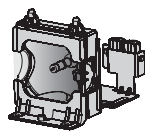
Optional Extras

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

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



Projection Screen (3D)



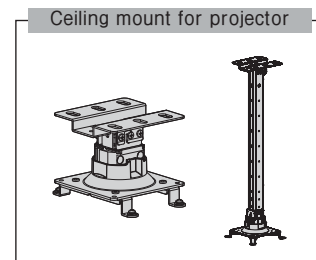
Lamp



Computer Cable



HDMI Cable



Video Cable



Component Cable



LAN cable



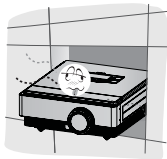
RF cable

Installation and Configuration

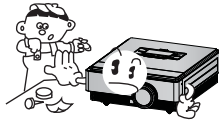
Caution on Installation

Place the projector in a well-ventilated environment.

- To prevent internal heat build-up, install the projector in a well-ventilated place. Do not place anything near the projector as this may block its air vents. If the air vents are blocked, the internal temperature will increase.
- Do not place the projector on a carpet or rug. This may prevent proper ventilation at the bottom of the projector. This product should be mounted onto a flat surface or ceiling only.



- Be sure to prevent foreign objects such as paper debris from entering the projector.
- Leave an adequate distance (30 cm or more) around the projector.



Do not place the projector in a hot or humid environment.

- Only install the projector in a place of moderate temperature and low humidity. (See page 54 regarding operating temperature and humidity.)

Do not place the projector in a place where it will easily attract dust.

- There is risk of fire.

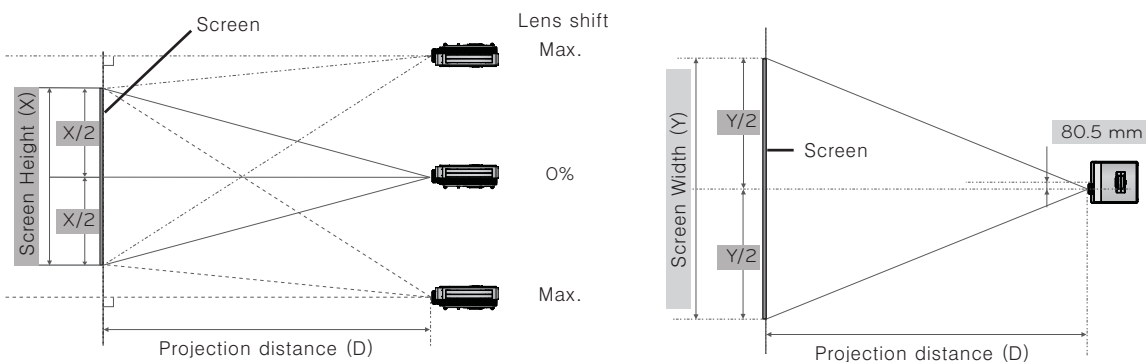
Do not remove any covers except for the lens cap. There is a high risk of electric shock.

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

The remote control may not work in an environment where a lamp equipped with electronic ballasts or a three-wavelength fluorescent lamp is installed. Replace the lamp with an internationally standardized lamp for the remote control to work normally.

Projection Distance per Screen Size

- Place the projector on a sturdy, level surface, together with the PC or audio/video source.
1. The distance between the projector and the screen determines the actual size of the image.
 2. Position the projector so that the lens is set at a right angle to the screen. If the projector is not set at a right angle, the image on the screen will be crooked. If the screen image is crooked, use the **Keystone function**.
 3. Connect the power cords of the projector and any connected devices to the power outlet.



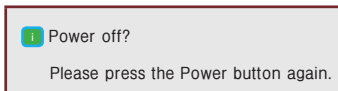
16:9 Aspect Ratio				
Screen			Projection Distance	
Screen Size (mm)	Screen Width (Y) (mm)	Screen Height (X) (mm)	Min. projection distance (D1) (m)	Max. projection distance (D2) (m)
762	664	374	0.87	1.15
1016	886	498	1.17	1.54
1270	1107	623	1.48	1.94
1524	1328	747	1.78	2.33
1778	1550	872	2.09	2.73
2032	1771	996	2.39	3.13
2286	1992	1121	2.70	3.52
2540	2214	1245	3.00	3.92
2794	2435	1370	3.31	4.32
3048	2657	1494	3.61	4.72
3302	2878	1619	3.92	5.11
3556	3099	1743	4.22	5.51
3810	3321	1868	4.53	5.91
4064	3542	1992	4.83	6.30
4318	3763	2117	5.13	6.70
4572	3985	2241	5.44	7.10
4826	4206	2366	5.74	7.49
5080	4428	2491	6.04	7.89
5334	4649	2615	6.35	8.29
5588	4870	2740	6.66	8.68
5842	5092	2864	6.96	9.08
6096	5313	2989	7.27	9.48
6350	5535	3113	7.57	9.87
6604	5756	3238	7.88	10.27
6858	5977	3362	8.18	10.67
7112	6199	3487	8.49	11.06
7366	6420	3611	8.79	11.46
7620	6641	3736	9.10	11.86

Turning on the Projector

1. Connect the power cord correctly to turn the projector on.
2. Press the **POWER** button. **The power indicator blinks green.**
 - Power on time is long due to the characteristics of the 3D projector.
 - Press the **INPUT** button to select an input signal.
 - There will be a brief sound when the projector is turned on.
 - Check if the lens cap is open before turning on the projector.

Turning off the Projector

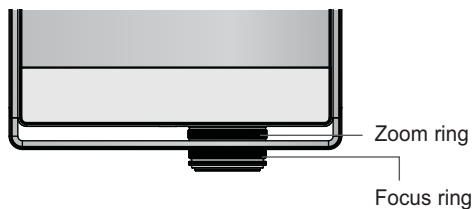
1. Press the **POWER** button.



2. The unit will turn off when you press the **POWER** button a second time. Do not disconnect the power cord if the operation indicator is cyan, i.e. the fan is still running (90 seconds). Disconnect the power cord when the operation indicator becomes blue.

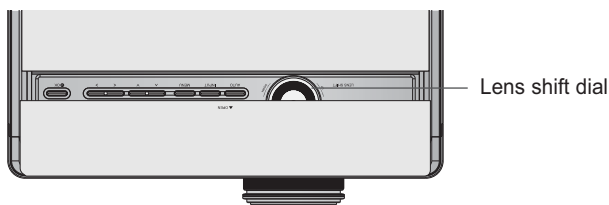
Focus and Position of the Screen Image

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



- To adjust the focus of the image, rotate the focus ring.
- To adjust the size of the image, rotate the zoom ring.

If you need to move the screen image up or down, use the lens shift dial at the top of the projector to adjust the height as shown below.

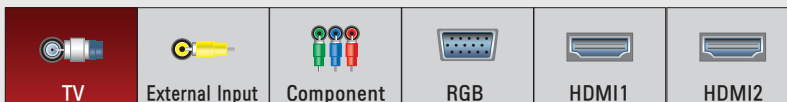


- Turn the LENS SHIFT dial left or right to adjust the projected image position up or down.
- Turning the LENS SHIFT dial with excessive force may cause damage to the projector.

Selecting Input Signal

1. Press the **INPUT** button.
2. Select an input signal using the remote control's **INPUT** button to connect the projector to the desired input. You can toggle between inputs using the **<**, **>** buttons.

List of external inputs

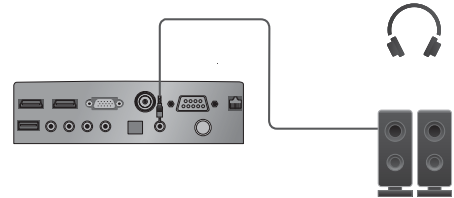


- You can also select an input signal directly using the **TV**, **VIDEO**, **COMPONENT**, **RGB**, **HDMI1** and **HDMI2** buttons of the remote control.
- The connected input is displayed first.

Connecting Device

Connecting a Speaker or Headphones

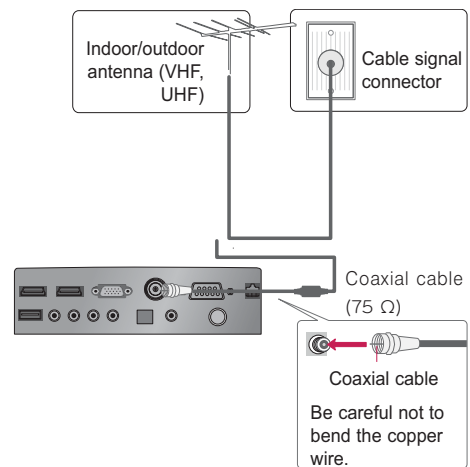
To listen to sound through speakers, earphones or headphones, connect them to the voice output jack of the projector.



Connecting an Antenna

To watch TV programs using an indoor/outdoor antenna, connect the antenna line to the projector's **ANTENNA IN** port.

- * Be careful not to bend the copper wire when connecting the (75Ω) coaxial cable.
- * Turn the input jack to the right to fasten it.
- * Ensure you use a standard coaxial cable (75Ω) when connecting to the TV input.
- * To obtain better image quality in locations where signal strength is low, please purchase and install a signal amplifier (booster).
- * A signal splitter is required if one antenna sends a signal to more than two TVs.
- * If you have any problems with antenna installation, please consult a specialist retailer or the retailer from which you purchased the antenna.



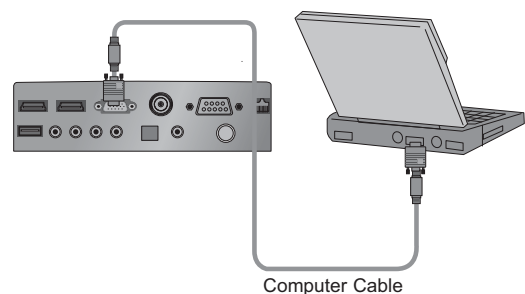
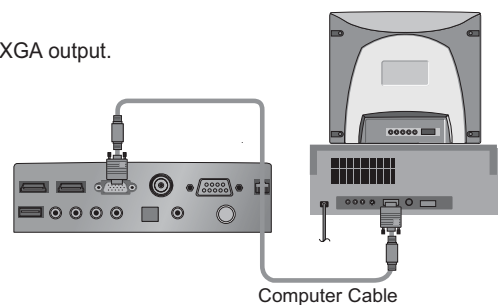
Connecting to a PC

- * You can connect the projector to a computer with an VGA, SVGA, XGA or SXGA output.
- * See page 47 for a list of supported monitors.

<How to Connect>

Connect the projector's **RGB IN** port to the computer's RGB output port using a computer cable.

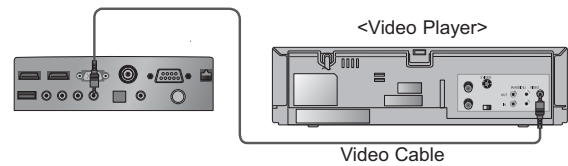
- * For IBM PC/AT-compatible laptops, video can be displayed on both the laptop monitor and the external one. If the video is displayed on both, the image quality on the external monitor may not be satisfactory. In this case, configure the laptop's video output to the external monitor only. (For more detailed information, refer to your laptop's user manual.)



Connecting to a Video Player

<How to Connect>

Connect the projector's **VIDEO** port to the audio/video device's output jack using a video cable.

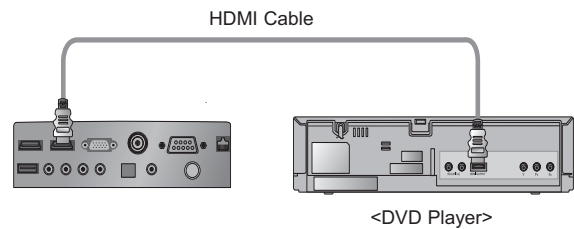


Connecting to a DVD Player

* The output jack Y, Pb or Pr of the DVD player may be marked as Y, Pb, Pr/Y, B-Y, R-Y/Y, Cb, or Cr depending on the model.

<Connecting to the HDMI Port>

1. Connect the projector's **HDMI IN 1** (or **HDMI IN 2**) port to the DVD player's HDMI port using an HDMI cable.
2. Set the DVD player's resolution to one of the following: 480p (576p), 720p, 1080i, or 1080p.



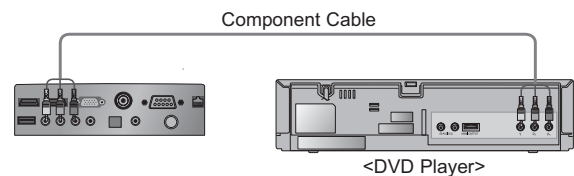
<Connecting to the COMPONENT Port>

Turn on the projector, then turn on the HDMI device.

<Connecting to the COMPONENT Port>

Connect the projector's **COMPONENT IN** port to the DVD player's output port using a component cable.

* Match the jack colors to the component cable when connecting.
(Y=Green, Pb=Blue, Pr=Red)

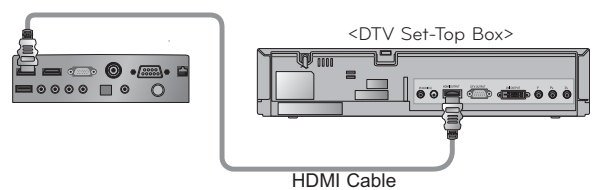


Connecting to a DTV Set-Top Box

* Please refer to the user manual of the DTV set-top box to connect to the projector, as well as for instructions on how to use the DTV set-top box.

<Connecting to the HDMI Port>

1. Connect the projector's **HDMI IN 1** (or **HDMI IN 2**) port to the DTV set-top box's HDMI port using an HDMI cable.
2. Set the DTV's resolution to one of the following: 480p (576p), 720p, 1080i, or 1080p.



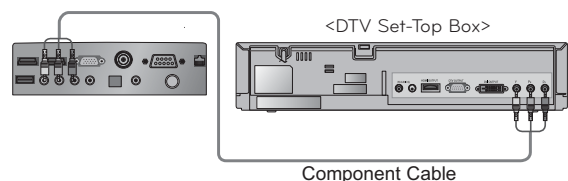
<Connecting to the HDMI Port>

Turn on the projector, then turn on the HDMI device.

<Connecting to the COMPONENT Port>

Connect the projector's **COMPONENT IN** port to the DTV set-top box's output port using a component cable.

* Match the jack colors to the component cable when connecting.
(Y=Green, Pb=Blue, Pr=Red)



3D Function

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

* 3D images can be viewed only on a silver screen.

Caution When Watching 3D Video

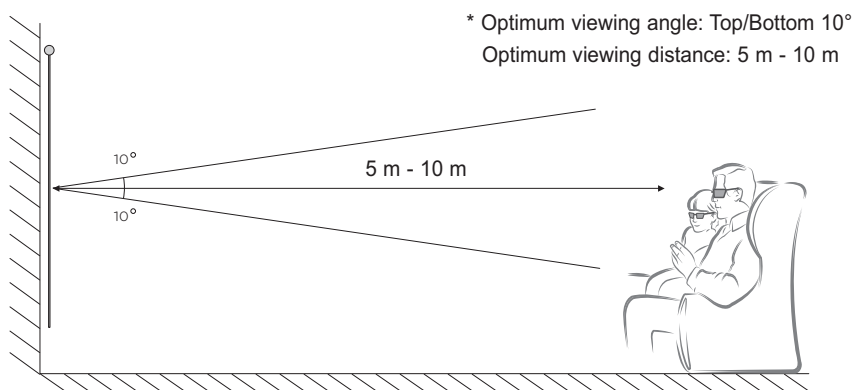
- ▶ **Watch 3D images within the optimum viewing angle and distance.**
 - If you are outside the optimum viewing angle or distance, you may not be able to watch 3D images.
- ▶ **If you view 3D images too closely for a long period of time, this may cause blurred vision.**
- ▶ **If you view 3D images wearing 3D glasses for a long period of time, this may cause drowsiness or eye strain.**
 - You should stop watching if you experience a headache, fatigue or dizziness.
- ▶ **If you are pregnant, a senior, have heart problems or easily feel motion sickness, we recommend you do not view 3D images.**
 - Because 3D images can cause disorientation and confusion, some viewers may get surprised or overexcited.
- ▶ **Do not watch 3D images near fragile objects or any objects that can be knocked over easily.**
 - If you are startled or misconstrue the 3D images as real, you may knock over a nearby object or injure yourself trying to move your body.
- ▶ **Do not use 3D glasses as ordinary glasses, sunglasses or protective goggles. If you do so, this may cause injury.**
- ▶ **Do not store 3D glasses in very hot or very cold conditions. If you do so, this may cause them to become deformed.**
- ▶ **The lenses of 3D glasses (polarizing film) are easily scratched. Use a soft clean cloth when cleaning them.**
 - Be careful because any foreign particles on the cloth may result in scratches.
- ▶ **Do not scratch the surface of 3D glasses' lenses (polarized film) with sharp objects or wipe them with chemicals.**
 - If the polarized film gets scratched, images may not look normal when viewing 3D.
- ▶ **The lenses of 3D glasses are different from those of ordinary glasses and very thin. Therefore, handle the glasses with care as the lenses can be popped out easily.**
- ▶ **Photosensitivity seizure warning – Some users may experience a seizure or other abnormal symptoms when they are exposed to a flashing light or particular pattern from a video game or movie. If anyone in your family has a history of epilepsy or has ever experienced any kind of seizure, please consult your doctor before viewing 3D images. You may exhibit any of the symptoms listed below even if you do not have previous medical problems of this nature.**
 - Dizziness, fatigue, twitching of the eye or face muscles, involuntary movements, cramp, loss of consciousness, confusion, loss of sense of direction, or nausea

If you exhibit any of these symptoms when viewing 3D images, please stop viewing immediately and consult your doctor.

Extra special care is required for children watching 3D video. You can reduce the risk of photosensitive seizures with the following preventive measures.

- Do not watch 3D video when very sleepy, tired or sick, and avoid watching 3D video for a long period of time.

Requirements for Watching 3D Images



Note!

- Some menus may not work while playing 3D video.
- You can watch 3D video properly only when the 3D video format option has been selected on the projector.

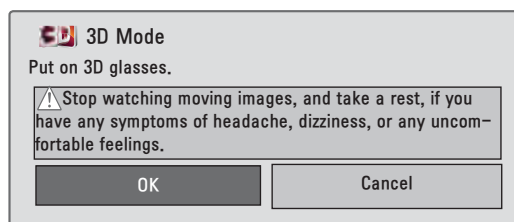
Watching 3D Images

1. You can play supported 3D video titles. Please refer to the table below for supported 3D video formats.

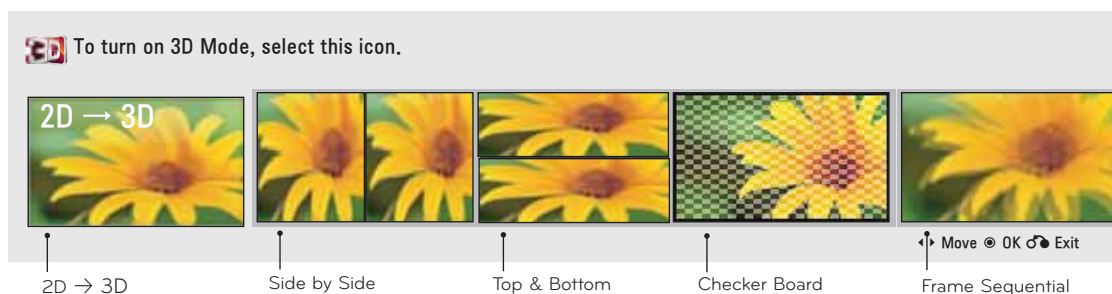
	Signal	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Supported 3D Formats
HDMI	720P	1280 x 720	45.00	60	Top & Bottom, Side by Side HDMI 3D Top & Bottom
			37.50	50	
			90.00	60	HDMI 3D Frame Packing
			75.00	50	
	1080i	1920 x 1080	33.75	60	Top & Bottom, Side by Side HDMI 3D Side by Side (Half)
			28.125	50	
	1080p	1920 x 1080	27.00	24	Top & Bottom, Side by Side, Checker Board, Frame Sequential HDMI 3D Top & Bottom
			54.00	24	
			33.75	30	Top & Bottom, Side by Side, Checker Board, Frame Sequential
			67.50	60	
		56.25	50		
RGB	1080p	1920 x 1080	66.587	59.934	Top & Bottom, Side by Side
Signal					Supported 3D Formats
DTV	720p, 1080i				Top & Bottom, Side by Side

- To play videos and media in HDMI 3D Frame Packing, HDMI 3D Side by Side or HDMI 3D Top & Bottom, the player need to support these formats.
- HDMI 3D Frame Packing, HDMI 3D Side by Side or HDMI 3D Top & Bottom formatted video is converted into stereoscopic format automatically.

2. Press the **3D button** and select **OK**.

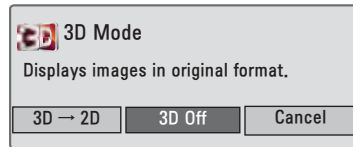
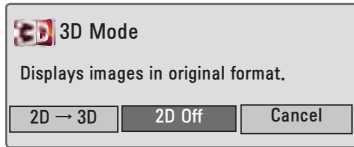


3. Press the < or > button to select the picture display format to be shown on the screen, then put on your 3D glasses.



- When you select 2D → 3D, you can watch 2D video as 3D video.
- The image quality of 2D → 3D video may be not as good as that of a video title originally made in 3D.

4. Press the 3D button during viewing to exit 3D mode and watch 2D video.



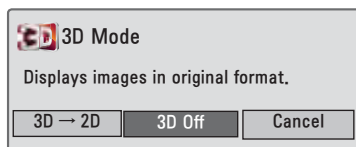
Option	Description
3D → 2D	Displays images in 2D without any 3D effects.
3D Off	Displays images in original format.
2D → 3D	Displays images in 3D.
Cancel	Closes popup windows.

Setting 3D Mode

Option	Description	
3D Mode Setting	3D Picture Correction	Switches left/right videos. Select a 3D video of better picture quality.
	3D Effects	Adjusts the stereoscopic effect of the 3D image converted from a 2D image.
	3D Viewpoint	Moves the 3D image forwards and backwards to adjust the 3D perspective view.
Set Video	See the Video Function - Screen Function sections.	

Exiting 3D Mode

<3D Mode>



<3D to 2D Mode>



Function

* The On-Screen Display (OSD) in this manual is an example to help you understand how to operate the product, and may be slightly different to your projector.

* This manual mostly describes the operation of RGB (PC) mode.

Channel Functions

Auto Tuning

1. Press the **MENU** button, then go to Channel with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to Auto Tuning and press **OK**.
3. Press the \lt , \gt buttons to go to Start and press **OK**.



- You can save up to 1000 channels when setting to either **Auto Tuning** or **Manual Tuning**. The maximum number depends on the broadcasting signal environment.
- **Auto Tuning** only adds channels being broadcast.
- Press the **BACK** button to exit the menu screen.

Changing Channels

Change channels by using **Channel** \wedge , \vee buttons or 0 - 9 buttons.

Saving or Deleting Channels

* When watching TV, you can add or delete a channel.

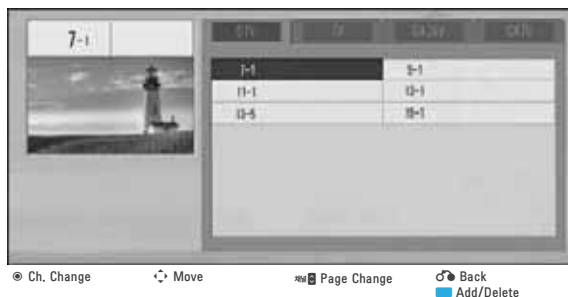
1. Press the **MENU** button, then go to Channel with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to **Manual Tuning** and press **OK**.
3. Press the \wedge , \vee , \lt , \gt buttons to select the type and number of a desired channel.
4. Press the \wedge , \vee buttons to go to Del (or Add) and press **OK**.



- Press the **BACK** button to exit the menu screen.

Editing Channels

1. Press the **MENU** button, then go to Channel with the \wedge , \vee , \lt , \gt buttons and press **OK** .
2. Press the \wedge , \vee buttons to go to Channel Edit and press **OK** .
3. Press the \wedge , \vee , \lt , \gt buttons to select a channel to edit.
4. The following buttons are used to edit channels.



Button	Description
\wedge , \vee , \lt , \gt	Moves to a desired channel.
OK	Selects a channel.
Channel \wedge , \vee	Moves to a page.
■ (Blue button)	Adds or deletes a channel. A deleted channel becomes blue.

- Press the **BACK** button to exit the menu screen.

Setting Favorite Channels

* While watching TV, you can add a channel to your favorite channels.

1. With **Channel** \wedge , \vee or 0 - 9 buttons, select a desired channel.
2. Press the Q.MENU button on the remote control.
3. Press the \lt , \gt buttons to select **Del/Add/Fav.**
4. Press the \wedge , \vee buttons to select **Favorite.**



- If you select **Delete**, the selected channel is deleted. If you select **Add**, the selected channel is added.
- Press the **BACK** button to exit the menu screen.

Using the List of Favorite Channels

1. Press the **Favorite** button on the remote control.
2. Press the \wedge , \vee buttons to go to a desired channel and press **OK** . Press **Channel** \wedge , \vee buttons to go to a desired page.

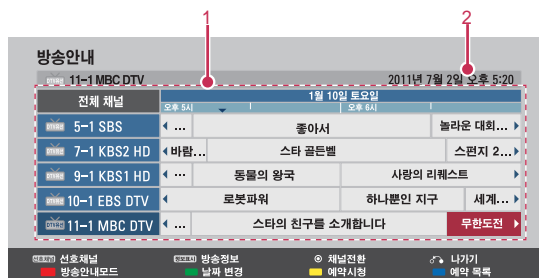
- Press the **BACK** button to exit the menu screen.



Viewing Program Information

If you press the **Program Guide** button on the remote control, program information is displayed.

- 1 Program Table
- 2 Date



Button	Description
Favorite	Displays the program information of favorite channels.
Information	Displays the information of a selected program.
OK	When you select a program, the channel is switched to this channel.
Red	Shows the list of only current and next programs.
Green	Changes the date. 1 Press the (Green) button. 2 Select a desired date with the <, > buttons.
Yellow	Creates a program viewing schedule. <ul style="list-style-type: none"> • For a program that is currently broadcasting or a program you are watching, the following message is displayed: You cannot schedule to record a program you are currently watching. Select another one. • For a scheduled program, you can select Cancel Schedule or Close.
Blue	Displays the list of scheduled programs.

- The symbol is displayed for a scheduled program. If program information is changed after scheduling, may not be displayed.
- Although the projector is turned on by the Timer Watching function, it is automatically turned off if no button is pressed within 120 minutes. This is a convenient function if you are away from your home for a long period of time.
- Press the **BACK** button to exit the menu screen.

Checking Schedule List

1. Press the **Program Guide** button on the remote control.
2. In the program information screen, press the **blue** button.
3. Press the , buttons to go to a desired schedule and press **OK** .
4. Press the , buttons to select **Delete** or **Delete All** and press **OK** .

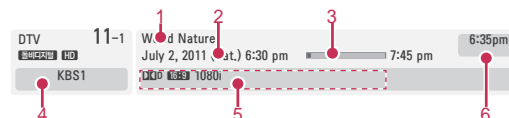


- Press the **BACK** button to exit the menu screen.

Displaying Program Information

If you press the **Information** button on the remote control, the program information is displayed on the screen.

- 1 Program title
- 2 Date
- 3 Program start/end time, Progress bar
- 4 Program information banner
- 5 Program audio/video information
- 6 Current time



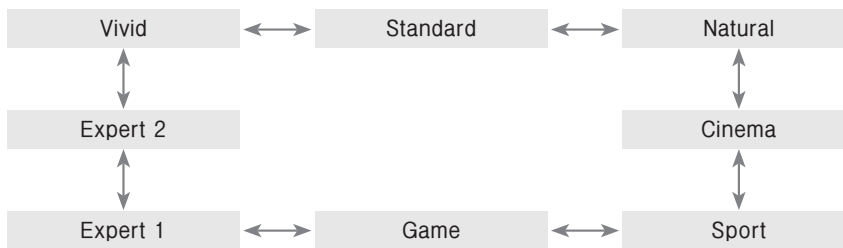
- Press the **BACK** button to exit the menu screen.

Video Function

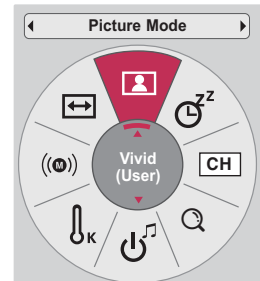
Picture Mode

* The best picture quality is maintained according to the selected picture option.

1. Press the **PICTURE** button on the remote control.
2. Press the \wedge , \vee buttons to select a picture option.

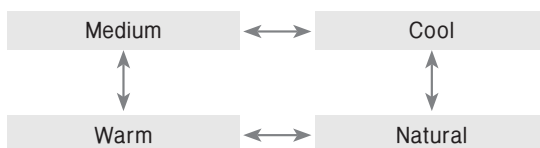


- You can also use the **MENU** or **Q.MENU** button.
- Press the **BACK** button to exit the menu screen.

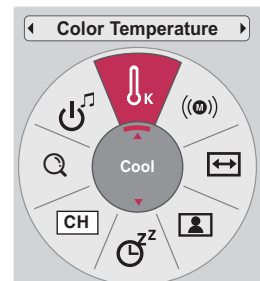


Adjusting Color Temperature

1. Press the **Q.MENU** button on the remote control.
2. Press the \lt , \gt buttons to go to COLOR TEMP.
3. Press the \wedge , \vee buttons to select a picture option.

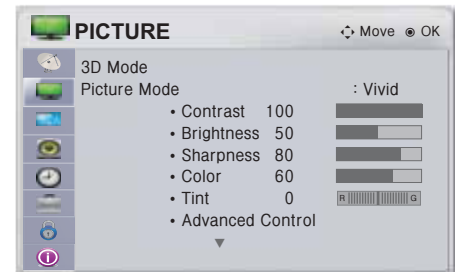


- This function is available only for **Vivid/Standard/Natural/Movie/Sport/Game**.
- You can select this function through the **MENU** button.
- Press the **BACK** button to exit the menu screen.



Adjusting Picture Settings

1. Press the **MENU** button, then go to Picture with the \wedge , \vee , \lt , \gt buttons and press **OK** .
2. Press the \wedge , \vee buttons to go to a desired picture option and press **OK** .
3. Press the \lt , \gt buttons to adjust the picture settings and press **OK** .

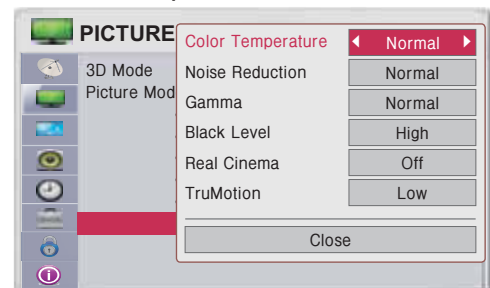


- For each option and Picture Mode, you can set different picture preference values.
- If you save your settings after configuration, (User) is displayed in the picture. (excluding Expert 1/2)
- If you want to reset to factory defaults after picture configuration, initialize each Picture Mode.
- Press the **BACK** button to exit the menu screen.

Advanced Options

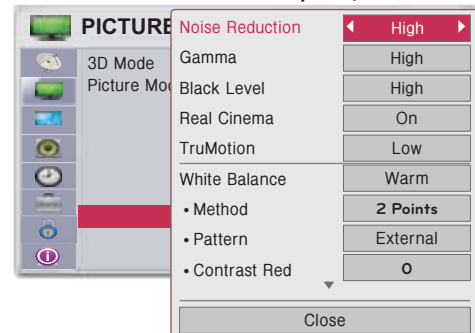
1. Press the **MENU** button, then go to Picture with the \wedge , \vee , \lt , \gt buttons and press **OK** .
2. Press the \wedge , \vee buttons to go to Advanced Control and press **OK** .
3. Press the \wedge , \vee buttons to go to a desired item.
4. Press the \lt , \gt buttons to adjust the picture settings and press **OK** .

<Picture Mode is in **Vivid/Standard/Natural/Movie/Sport/Game mode**>



- For each option and Picture Mode, you can set different picture preference values.
- If you want to reset to factory defaults after picture configuration, initialize each Picture Mode.
- Press the **BACK** button to exit the menu screen.

<Picture Mode is in **Expert1/2 mode**>



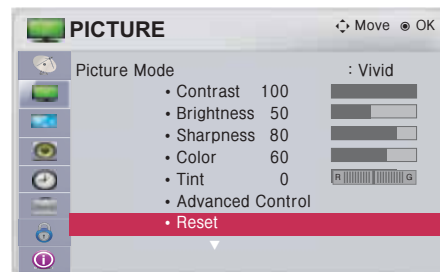
* Configurable options may differ depending on input signal or video settings, etc.

Color Temperature	<ul style="list-style-type: none"> – This function is available only for Vivid/Standard/Natural/Movie/Sport/Game. • You can select the screen color.
Noise Reduction	<ul style="list-style-type: none"> • Reduces image noise.
Gamma	<ul style="list-style-type: none"> • Sets a gradation curve between video input and output signal. You can select Normal/High/Low.
Black Level	<ul style="list-style-type: none"> • Compensates the brightness and contrast of a screen to balance with the black level of the video input. You can select Low/High. <ul style="list-style-type: none"> • If the black of a screen is saturated or hazy, you can adjust it with High or Low. • This is not available for RGB input.
Real Cinema	<ul style="list-style-type: none"> • Provides optimal picture quality for watching a movie. You can select On or Off. • If the component input is 480i signal, pictures may not be smooth depending on the output format of the DVD title. In this case, set Real Cinema to On.
TruMotion	<ul style="list-style-type: none"> • Displays smooth video by correcting the picture. You can select Off/Low/High. • If you feel the video is not smooth with the High option, you can select Low or Off. • If the picture is set to Game, the option is switched to Off. • This is not available for PC mode. • When you configure the Keystone function, it is set to Off. To enable TruMotion, initialize the Keystone.
White Balance	<ul style="list-style-type: none"> – This function is available only for Expert 1/2. • You can select the screen color. <ol style="list-style-type: none"> a. Method: 2 Points <ul style="list-style-type: none"> - Pattern: Internal, external - Contrast Red/Green/Blue, Brightness Red/Green/Blue: Adjustable range -50 to +50. b. Method: 20 Points IRE <ul style="list-style-type: none"> - Pattern: Internal, external - IRE (Institute of Radio Engineers) is the unit indicating the size of a video signal in 5, 10, 15 to 95, 100. - Red/Green/Blue: Adjustable range -50 to +50 for each IRE configuration.
Tint Adjustment	<ul style="list-style-type: none"> – This function is available only for Expert 1/2. • Professionals use this for test pattern-based adjustment. 6 colors (Red/Green/Blue/Cyan/Magenta/Yellow) can be adjusted without affecting other colors. No significant color change is detected for a normal video. You can adjust Red/Green/Blue/Yellow/Cyan/Magenta colors. <ul style="list-style-type: none"> - Chroma Red/Green/Blue/Yellow/Cyan, Magenta: Adjustable range -30 to +30 for each. - Hue Red/Green/Blue/Yellow/Cyan, Magenta: Adjustable range -30 to +30 for each. - This is not available for RGB input.

Picture Initialization Function

* The settings for each input and Picture Mode are reset to the factory defaults.

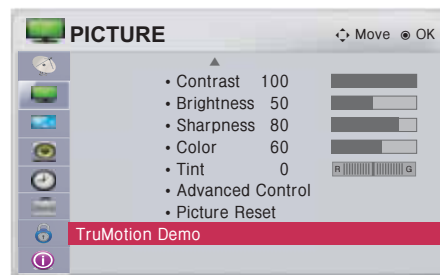
1. Press the **MENU** button, then go to Picture with the \wedge , \vee , \lt , \gt buttons and press **OK** .
2. Press the \wedge , \vee buttons to go to Picture Reset and press **OK** .
3. Press the \lt , \gt buttons to select Yes and press **OK** .
 - Press the **BACK** button to exit the menu screen.



TruMotion Demo Function

* You can preview the live scan function.

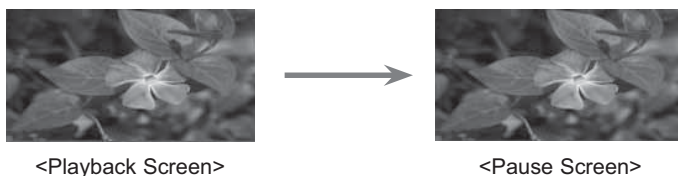
1. Press the **MENU** button, then go to Picture with the \wedge , \vee , \lt , \gt buttons and press **OK** .
2. Press the \wedge , \vee buttons to go to TruMotion Demo and press **OK** .
 - This is not available for **RGB** input.
 - Press any button to exit **TruMotion Demo**.
 - Press the **BACK** button to exit the menu screen.



Screen Function

Using the Pause Function

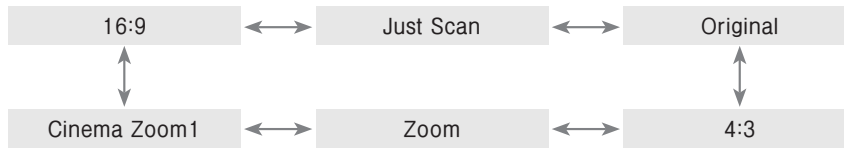
1. Press the **PAUSE** button on the remote control.
 - * You can temporarily stop a video being played.



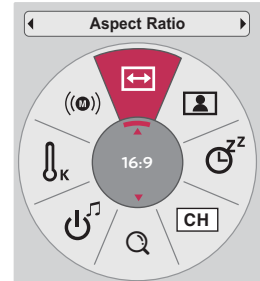
2. To clear the pause function, press the **PAUSE** button once again.
 - * The pause function is automatically cleared after 10 minutes.

Using the Screen Size Function

Press the **SCREEN SIZE** button on the remote control.



- Settings may vary depending on the input signal.
- You can also use the **MENU** or **Q.MENU** button.
- Press the **BACK** button to exit the menu screen.

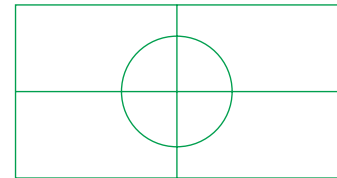


Test Pattern Function

* You can adjust screen size and focus while installing the projector.

Press the **TEST PATTERN** button on the remote control.

- You can select this function through the **MENU** button.



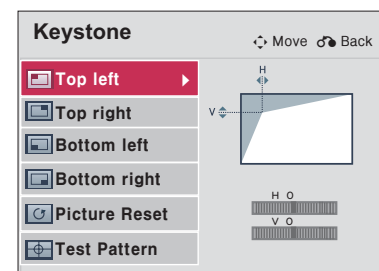
Using Keystone

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

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

1. Press the **KEYSTONE** button on the remote control.
2. Press the \wedge , \vee buttons to select a desired option and press the $>$ button.
3. Press the \wedge , \vee , $<$, $>$ buttons to adjust the screen and press **OK**.

- The Keystone is adjusted -100 to 0 or 0 to 100 depending on position.
- To reset to the factory defaults, perform **Picture Reset**.
- You can select this function through the **MENU** button.
- Press the **BACK** button to exit the menu screen.



Changing Projection Mode

* You can flip the video up/down or left/right.

1. Press the **MENU** button, then go to Screen with the \wedge , \vee , $<$, $>$ buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to Projection Mode and press **OK**.

- Select Rear to project an image onto the back of a transparent screen purchased separately.
- Select Ceiling if you installed the projector on a ceiling.
- You can select this function through the **MENU** button.
- Press the **BACK** button to exit the menu screen.

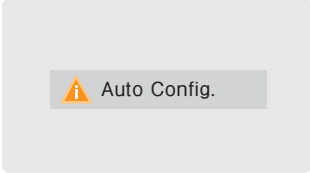
Using the AUTO Function

* AUTO provides optimized picture quality by automatically calibrating the mismatch of horizontal width and picture shake caused by clashes between the internal settings of the projector and various PC graphic signals in RGB mode.

* The AUTO function is available only for RGB input.

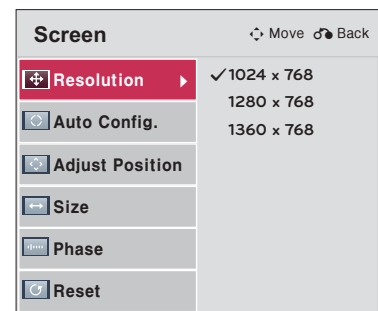
Press the **AUTO** button on the remote control.

- If you use AUTO for video signal from a PC, you may not be able to get optimized picture quality. Therefore, use the AUTO function for still images.
- You can select this function through the **MENU** button.



Adjusting PC Input

1. Press the **MENU** button, then go to Screen with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to RGB Config. and press **OK**.
3. Press the \wedge , \vee buttons to select a desired option and press the \gt button.
4. Press the \wedge , \vee , \lt , \gt buttons to adjust the screen and press **OK**.
 - Available resolutions are 768 resolution (1024x768/1280x768/1360x768, 60Hz) and 1050 resolution (1400x1050/1680x1050, 60Hz).
 - Press the **BACK** button to exit the menu screen.



Audio Function

Adjusting Volume

Adjust the volume by using the **VOLUME +**, **-** buttons on the remote control.

- You can select this function through the **MENU** button.
- You can adjust the volume only when a headset is connected. Adjust the volume of an audio receiver if only SPDIF is connected without a headset.

Using the Multi Audio Function

* Bilingual broadcasting means that a broadcasting station broadcasts in stereo, Korean, and foreign languages.

1. Press the **Q.MENU** button on the remote control.
2. Press the \lt , \gt buttons to go to **Multi Audio**.
3. Press the \wedge , \vee buttons to select a desired sound option.
 - TV/Cable Broadcasting
 - Mono broadcasting: Sound comes from both the left and right speakers and the broadcasting status is mono. Regardless of broadcasting status, if you want mono, select Mono. This also applies to stereo broadcasting.
 - Stereo broadcasting: Sound comes from both the left and right speakers and the broadcasting status is stereo.
 - Bilingual broadcasting: When you select a main voice or an auxiliary voice, you can enjoy broadcasting in different languages. For Korean, select the main voice.
 - DTV Mode
 - You can select various languages based on the bilingual signals from a broadcasting station.
 - Press the **BACK** button to exit the menu screen.



Time Function

Setting Current Time

* You can check or change the time while using the projector.

1. Press the **MENU** button, then go to Time with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press \wedge , \vee buttons to go to Clock and press **OK**.

< Auto Setup >

3. Press \lt , \gt buttons to set **Auto**.

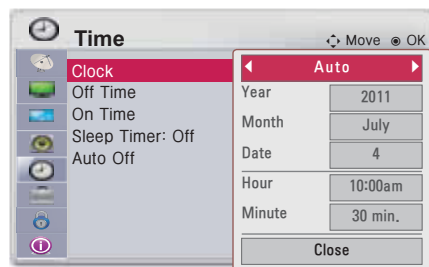
In the case of digital broadcasting, date and time are automatically set when the projector receives information from a broadcasting station. Current time may not be automatically set or may be incorrect depending on the broadcasting station signal. If the current time is incorrect, use **Manual to set it again**.

< Manual Setup >

3. Press \lt , \gt buttons to go to **Manual**.

4. Press the \wedge , \vee , \lt , \gt buttons to set **Year/Month/Date/Hour/Minute**.

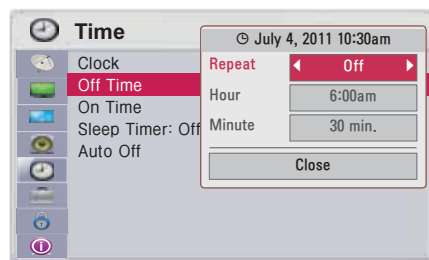
- If there is a blackout or the power plug is disconnected from the power outlet, the current time is deleted and must be set again.
- Press the **BACK** button to exit the menu screen.



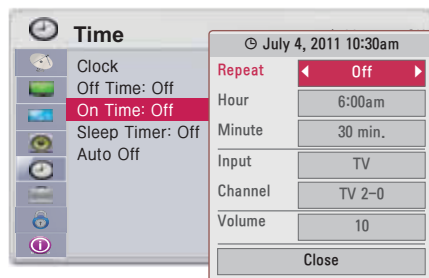
Scheduling On and Off

* You can set the On/Off Time of the projector.

1. Press the **MENU** button, then go to Time with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press \wedge , \vee buttons to go to Off Time or On Time and press **OK**.
3. Press \wedge , \vee , \lt , \gt buttons to set Repeat.
4. Press \wedge , \vee , \lt , \gt buttons to set **Hour/Minute/Input/Channel/Volume**.



Options	Description
Repeat	If you did not set Power On/Off Time, select Off in Repeat .
Hour/Minute	Sets Hour/Minute of Power On/Off Time.
Input/Channel	Sets Input/Channel when the projector is turned on. If the input is set to TV, the channel can be one of DTV/TV/DTV Cable/TV Cable. If the input is set to external, no channel is available.
Volume	Sets the volume when the projector is turned on.

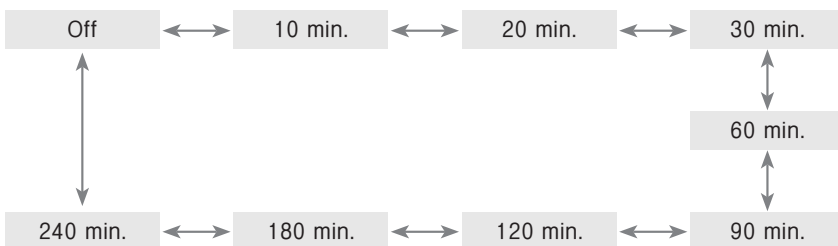


- This works normally only when current time is configured. If Off Time and On Time are the same, Sleep takes priority when the projector is on and Power On takes priority when the projector is off.
- Although the projector can be turned on by the On Time function, it is automatically turned off if no button is pressed within 120 minutes. This is a convenient function if you are away from your home for a long period of time.
- Press the **BACK** button to exit the menu screen.

Using SLEEP Function

* The projector can be turned off at a preset time.

1. Press the **SLEEP** button on the remote control.
2. Press the \wedge , \vee buttons to select a desired preset time.

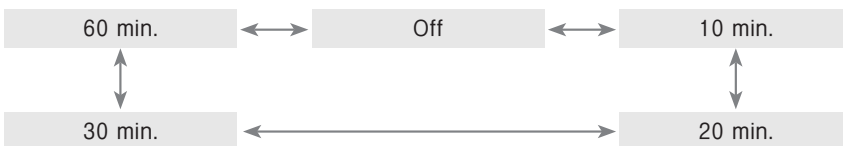


- You can also use the **MENU** or **Q.MENU** button.
- Press the **BACK** button to exit the menu screen.

Auto Off

* If there is no signal, the projector automatically turns off after the preset time has elapsed.

1. Press the **MENU** button, then go to Time with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \lt , \gt buttons to go to **Auto Off**.
3. Press the \wedge , \vee buttons to select a desired preset time.

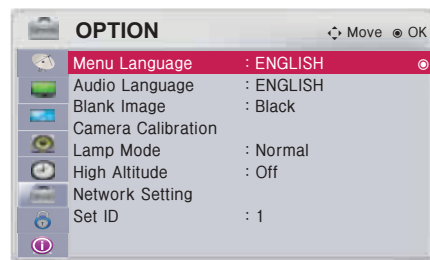


- You can select this function through the **MENU** button.
- Press the **BACK** button to exit the menu screen.

General Functions

Selecting a Language

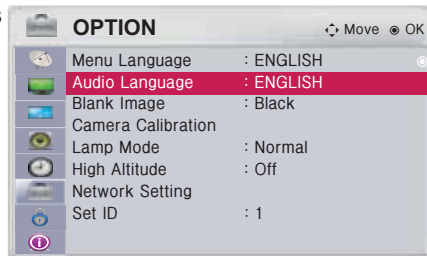
1. Press the **MENU** button, then go to Options with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press \wedge , \vee buttons to go to Menu Language and press the **OK** button.
3. Press \wedge , \vee , \lt , \gt buttons to go to a desired item and press **OK**.
 - From now on, OSD is displayed in the selected language.
 - Press the **BACK** button to exit the menu screen.



Selecting Language

* If a broadcasting station transmits a digital bilingual signal, you can select a desired language. This will be the default language used when the power is on or a channel is changed. Korean will be displayed if no foreign language is selected.

1. Press the **MENU** button, then go to **OPTION** with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to Audio Language and press **OK**.
3. Press the \wedge , \vee buttons to go to a desired item and press **OK**.
 - This is available only for digital broadcasting.
 - Press the **BACK** button to exit the menu screen.



Using Closed Captioning

1. Press the **MENU** button, then go to **OPTION** with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to Caption and press **OK**.
3. Press the \lt , \gt buttons to select **On**.

< Analog broadcasting/External input >

4. Press the \wedge , \vee , \lt , \gt buttons to select either **Korean** or **English** subtitles.

< Digital broadcasting >

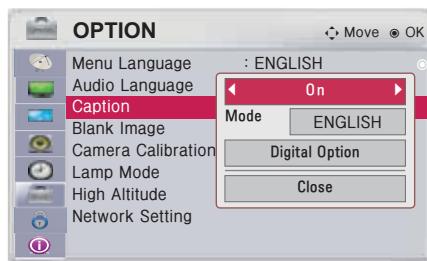
4. Press the \wedge , \vee , \lt , \gt buttons to select from **Service1** to **Service6**.
In Korea, Korean is available in **Service1**. If a broadcasting station transmits foreign languages, you can view them in **Service2** to **Service6**.

5. Press the \wedge , \vee buttons to go to **Digital Option** and press **OK**. Press the \wedge , \vee , \lt , \gt buttons to set the subtitle color and size.

Digital Option is available only for digital broadcasting.

For **Service1** to **Service6**, you can set the subtitle size and color, etc.

Select **Auto** or **Manual**. Auto allows you to carry out detailed configuration of subtitle size and color.



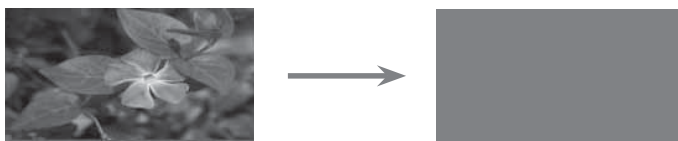
Options	Description
Size	Selects the size of a subtitle
Text Color	Selects the color of a subtitle
Text Opacity	Selects the transparency of a subtitle
Bg Color	Selects the background color of a subtitle
Bg Opacity	Selects the transparency of subtitle background

- Press the **BACK** button to exit the menu screen.

Using the Blank Image Function

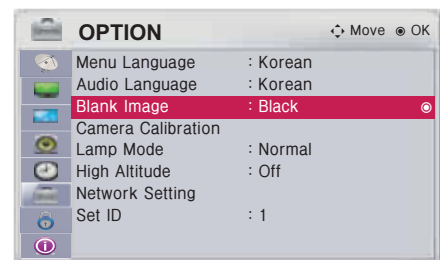
* To attract attention during a meeting or training, use the Blank Image function.

1. Press the **BLANK** button on the remote control.
 - The screen is covered by a background color.
 - For more information about selecting background color, see the Selecting the Blank Image Color section below.
2. Press any button to clear the Blank Image function.
 - To cover the screen temporarily, press the **BLANK** button on the remote control. Do not block the lamp with any object while the projector is running. The object may become misshapen and blocking the lamp is a fire risk.



Selecting the Blank Image Color

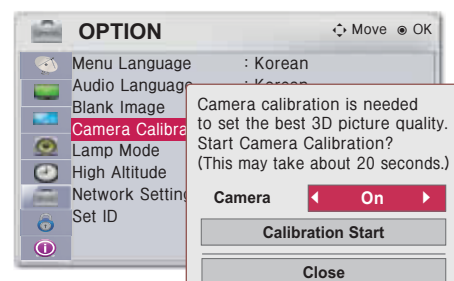
1. Press the **MENU** button, then go to **OPTION** with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to **Blank Image** and press **OK**.
3. Press the \wedge , \vee buttons to go to a desired item and press **OK**.
 - The selected background color will be displayed when the Blank Image function is activated.
 - Press the **BACK** button to exit the menu screen.



Camera Calibration

* This function automatically adjusts the brightness of the left and right engines of the 3D video projector, to provide a comfortable 3D video watching environment by reducing eye strain when viewing.

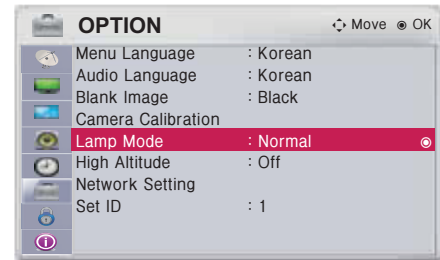
1. Press the **MENU** button, then go to **OPTION** with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to **Camera Calibration** and press **OK**.
3. Press the \lt , \gt buttons to select **On**.
4. Press the \wedge , \vee buttons to go to **Start Calibration** and press **OK**.



- The value input on Camera Calibration applies only to **3D video**. It does not apply to **2D video**.
- When the surrounding lighting is too bright or the TV screen size is less than 40 inches, the camera calibration may not work properly. In this case, refer to the warning message displayed on the screen.
- It operates 5 minutes after the power is turned on.
- Press the **BACK** button to exit the menu screen.

To adjust the brightness of the screen,

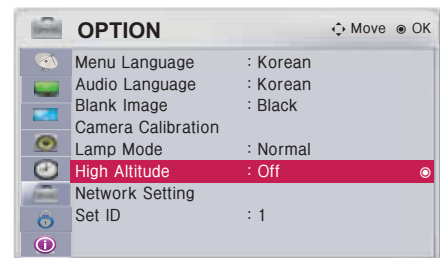
1. Press the **MENU** button, then go to **OPTION** with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \lt , \gt buttons to go to **Lamp Mode**.
3. Press the \wedge , \vee buttons to select an option.
 - If room temperature is over 35°C or the 3D video is working, this is not available.
 - You can select this function through the **MENU** button.
 - Press the **BACK** button to exit the menu screen.



High Altitude

* High Altitude is used at environments higher than 4,000 feet.

1. Press the **MENU** button, then go to **OPTION** with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to High Altitude and press **OK**.
3. Press the \lt , \gt buttons to select **On** and press **OK**.
 - Press the **BACK** button to exit the menu screen.



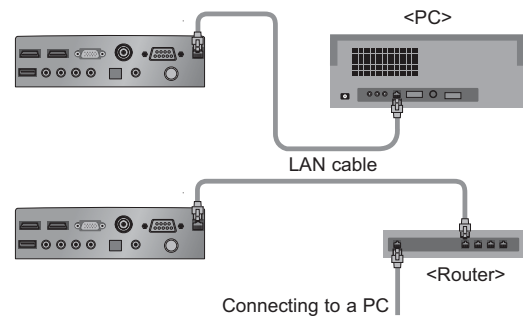
Network Settings

< Notes >

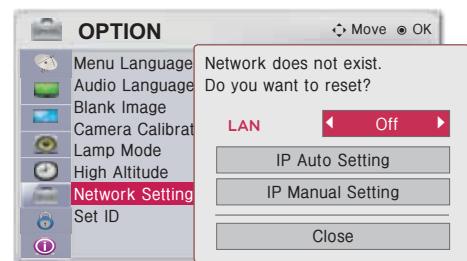
- Use a standard LAN cable with this projector. (Cat5 or, preferably, an RJ45 connector)
- Modem reconfiguration may cause network connection problems. In this case, turn off the modem and disconnect it from the projector; then turn on the modem again. It will be working normally.
- A 10 Base-T or 100 Base-TX LAN port is required to connect to this projector. If your ISP (Internet Service Provider) does not provide such a connection, you will not be able to connect the projector to the network.
- To connect to a wireless router, a router that supports wireless connection is necessary; the wireless connection function of the corresponding router must also be activated. Ask the router manufacturer whether the router supports wireless connection.
- To connect to a wireless router, verify the SSID and security settings of the wireless router. Please refer to the user guide of the corresponding router regarding SSID and security settings of the wireless router.
- The projector may not work properly if network devices (wire/wireless router or hub, etc.) are incorrectly set up. Be sure to install the devices correctly by referring to their user guides before configuring network settings.
- When Ad-hoc is used, it may not be able to connect depending on the device (for example: notebook computer) that is connected.
- The connection method may vary according to the manufacturer of the wireless router.

<How to Connect>

Connect the LAN port of the projector to the LAN port of the PC or router using a LAN cable (Cross cable).

**<How to Use>**

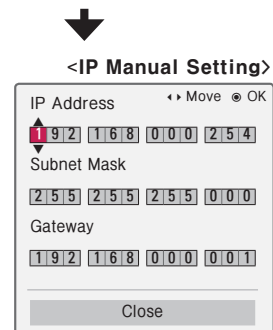
1. Press the **MENU** button, then go to **OPTION** with the \wedge , \vee , \leftarrow , \rightarrow buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to **Network Setting** and press **OK**.
3. Press the \leftarrow , \rightarrow buttons to select On for LAN option.
4. Press the \wedge , \vee buttons to go to **IP Auto Setting** or **IP Manual Setting** and press **OK**.



- Select **IP Auto Setting** for a server PC.
- Select **IP Manual Setting** for an ordinary PC.
- PC Setup: Set the Internet Protocol (TCP/IP) of the PC at your own discretion.
 Projector Setup: Set the IP Address as the same IP Address format of the PC, and select Close after entering the same gateway as the PC. Please refer to the eZ-Net Manager Guide for details of network settings.

:: Example::

	IP Address	Subnet Mask	Gateway
PC	192.168.0.10	255.255.255.0	192.168.0.1
Projector	192.168.0.254	255.255.255.0	192.168.0.1



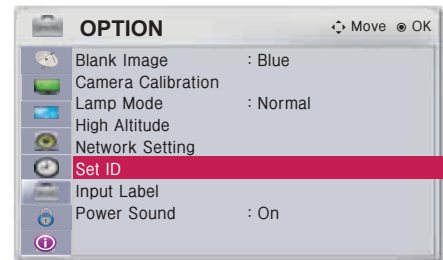
- If Network Setting is not working, check your network status and the LAN cable connection.
- If Network Setting is not completed, network functions may not work properly.
- IP Auto Setting: Select this if there is a DHCP (Dynamic Host Configuration Protocol) server on the local area network (LAN) via a wired connection; the projector will automatically be allocated an IP address. It may not be possible to connect to DHCP if a firewall is installed or depending on the model of the computer.
 IP Manual Setting: Select IP Manual Setting if there is no DHCP server on the network and you want to set the IP address manually.
- Press the **BACK** button to exit the menu screen.

Setting SET ID

* **Set ID is 1 - 99.**

* Only the saved Set ID is effective.

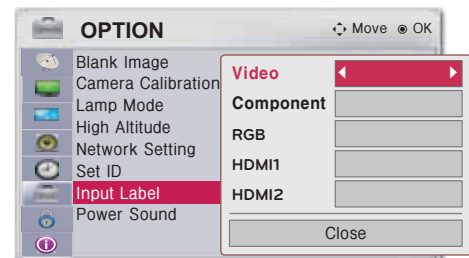
1. Press the **MENU** button, then go to **OPTION** with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to **SET ID** and press **OK**.



Setting the Name of a Connected Device

* You can set the name of an external device.

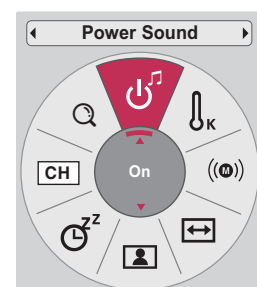
1. Press the **MENU** button, then go to Options with the \wedge , \vee , \lt , \gt buttons and press **OK**.
2. Press the \wedge , \vee buttons to go to **Input Label** and press **OK**.
3. Press the \wedge , \vee buttons to select an input.
4. Press the \lt , \gt buttons to select a device.
5. Press the \wedge , \vee buttons to select **Close** and press **OK**.
 - Press the **BACK** button to exit the menu screen.



Setting Power Sound

* You can turn the opening sound on or off.

1. Press the **Q.MENU** button on the remote control.
2. Press the \lt , \gt buttons to go to **Power Sound**.
3. Press the \wedge , \vee buttons to select an option.
 - You can select this function through the **MENU** button.
 - Press the **BACK** button to exit the menu screen.

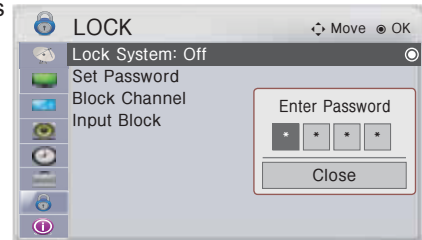


LOCK

Setting a Password

* To use Locking System function, you need to set a password.

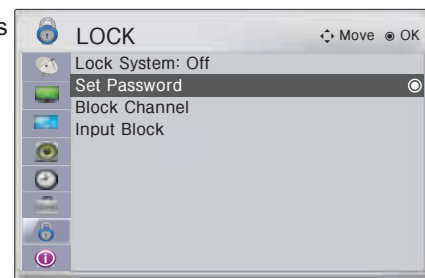
1. Press the **MENU** button, then go to **LOCK** with the \wedge , \vee , $<$, $>$ buttons and press **OK**.
2. Press the 0 - 9 buttons to set a password.
 - The password is entered.
 - The initial password of projector is "0-0-0-0".
 - Press the **BACK** button to exit the menu screen.



Changing a Password

* You can change the password.

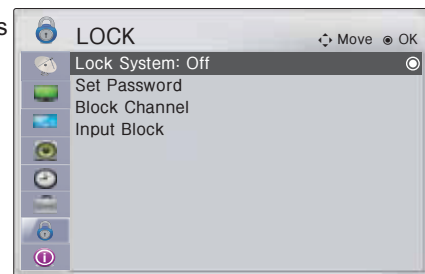
1. Press the **MENU** button, then go to **LOCK** with the \wedge , \vee , $<$, $>$ buttons and press **OK**.
2. Press the 0 - 9 buttons to enter a password.
3. Press the \wedge , \vee buttons to go to **Set Password** and press **OK**.
4. Press the 0 - 9 buttons to enter a new password. Enter the password once again for verification.
 - Press the **BACK** button to exit the menu screen.



Locking System

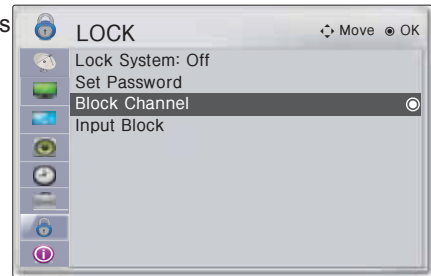
* Turn on the Locking System of channels and external devices.

1. Press the **MENU** button, then go to **LOCK** with the \wedge , \vee , $<$, $>$ buttons and press **OK**.
2. Press the 0 - 9 buttons to enter a password.
3. Press the \wedge , \vee buttons to go to Lock System and press **OK**.
4. Press the \wedge , \vee buttons to select **On** and press **OK**.
 - When you select On, the Lock System function of channels and external devices is activated.
 - Press the **BACK** button to exit the menu screen.



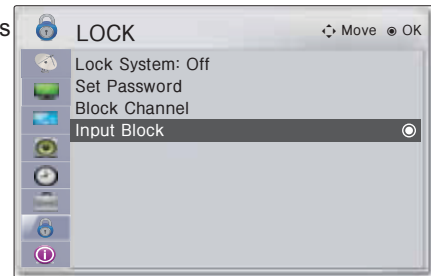
Enabling Block Channel

1. Press the **MENU** button, then go to **LOCK** with the \wedge , \vee , \lt , \gt buttons and press **OK** .
2. Press the 0 - 9 buttons to enter a password.
3. Press the \wedge , \vee buttons to go to **Set Password** and press **OK** .
4. Press the \wedge , \vee , \lt , \gt buttons to select a channel and press the GREEN (■) button. A channel is locked or unlocked.
 - When you enter the password for a locked channel, the channel is unlocked.
 - Press the **BACK** button to exit the menu screen.



Enabling Input Block

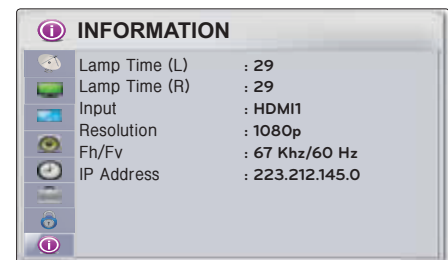
1. Press the **MENU** button, then go to **LOCK** with the \wedge , \vee , \lt , \gt buttons and press **OK** .
2. Press the 0 - 9 buttons to enter a password.
3. Press the \wedge , \vee buttons to go to **Input Block** and press **OK** .
4. Press the \wedge , \vee buttons to select an input.
5. Press the \lt , \gt buttons to set it to **On**.
6. Press the \wedge , \vee buttons to select **Close** and press **OK** .
 - Press the **BACK** button to exit the menu screen.



Information Function

Checking Projector Information

1. Press the **MENU** button, then go to **INFORMATION** with the \wedge , \vee , \lt , \gt buttons and press **OK** .
2. You can check the current information of the projector.
 - Press the **BACK** button to exit the menu screen.

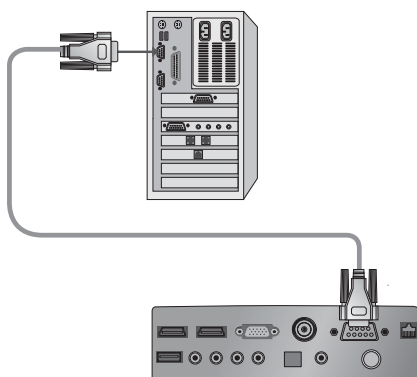


Serial Communication Function

- * If the projector is connected to a PC through an RS-232C cable, you can use the PC to control functions of the projector such as power On/Off or input selection, etc.
- * You cannot use RJ45 simultaneously. For serial communication, use LAN Off in the Network Settings.

Establishing Serial Communication

- * Connect the RS-232C (serial connector) of the PC to the RS-232C connector at the back of the projector.
- * You need to purchase a cable to connect the RS-232C connectors as it is not provided as an accessory.



- A RS-232C cable is necessary for the remote control of the projector. <See Figure 1.>

<Figure 1, RS-232 connection diagram>



- * There is no connection to Pin 1 and Pin 9.

Communication Parameter Setup

- Baud Rate: 9600 bps(UART)
- Data Length: 8 bit
- Parity: none
- Stop bit: 1 bit
- Flow Control: none
- Communication code: ASCII code

Communication Protocol

1. Transmission

[Command1] [Command2] [] [Set ID] [] [Data] [Cr]

- * [Command1]: The first command to control the projector (k, j, x, ASCII code, 1 Character)
- * [Command2]: The second command to control the projector (ASCII code, 1 Character)
- * [Set ID]: An ID used to select a set to control; the ID is allocated to each set in the Special Menu in the range of '1~99'.
If Set ID is set to '0', you can control all the sets.
- * [Data]: Used to send data necessary to the commands mentioned above. If it is in ASCII code, 2 characters are sent.
- * If the data is 'FF', it means data read mode.
- * [Cr]: Carriage Return
It means ASCII code '0x0D'.
- * []: ASCII code character corresponding to "Space Bar" separating command, Set ID, and data.

2. OK Acknowledgement

[Command2] [] [Set ID] [] [OK] [Data] [x]

* If a set receives the data successfully, it returns ACK in the above format. Here, the data will be the information from the projector indicating the current status of the projector if it is in data read mode. The projector itself will return the data from the PC if it is in data write mode.

3. Error Acknowledgement

[Command2] [] [Set ID] [] [NG] [Data] [x]

* If a set receives an abnormal piece of data such as a non-supported function or there is a communication error, it returns ACK in the above format.

Data: [01]: illegal code (This command is not supported.),
 [02]: non-supported function (This function is not working.)
 [03]: wait and retry (Try later.)

Command Reference List

	Command1	Command 2	Data
01. Power	k	a	0 ~ 1
02. Aspect Ratio	k	c	*
03. Screen Mute	k	d	0 ~ 1
04. Volume Mute	k	e	0 ~ 1
05. Volume Control	k	f	0 ~ 64
06. Contrast	k	g	0 ~ 64
07. Brightness	k	h	0 ~ 64
08. Color	k	i	0 ~ 64
09. Tint	k	j	0 ~ 64
10. Sharpness	k	k	0 ~ 64
11. OSD Select	k	l	0 ~ 1
12. Remote Control Lock / Key Lock	k	m	0 ~ 1
13. Balance	k	t	0 ~ 64
14. Color Temperature	k	u	0 ~2, 4 (3 제외)
15. Channel Add/Del	m	b	0 ~ 1
16. Black Level	n	m	0 ~ 1
17. Lamp Mode	n	p	0 ~ 1
18. Auto configuration	j	u	1
19. Input Select	x	b	*
20. Key	m	c	*
21. Picture Mode	n	S	0 ~ 7
22. 3D	x	t	Data1 : 0 ~ 3 Data2 : 0 ~ 3 Data3 : 0 ~ 1 Data4 : 0 ~ 14
23. 3D Option 제어	x	v	Data1 : 0 ~ 2 Data2 : - Data1=0 : 0~1 - Data1=1 : 0~14 - Data1=2 : 0~14

01. Power (Command:ka)

⇒ Controls power On/Off of a set.

Transmission

[k] [a] [] [Set ID] [] [Data] [Cr]

Data 0 : Power Off
1 : Power On

Ack

[a] [] [Set ID] [] [OK] [Data] [x]

Data 0 : Power Off
1 : Power On

⇒ Gives information about power On/Off.

Transmission

[k] [a] [] [Set ID] [] [FF] [Cr]

Ack

[a] [] [Set ID] [] [OK] [Data] [x]

Data 0 : Power Off
1 : Power On

* As with other functions, if data is transmitted as '0xFF' in the above format, the current status of each function is returned as a feedback in Ack data.

02. Screen size (Command:kc)

⇒ Adjusts screen size.

Transmission

[k] [c] [] [Set ID] [] [Data] [Cr]

Data 1 : Normal Screen (4:3) 2 : Wide Screen (16:9)
4 : Zoom 6 : Set By Program 9 : Just Scan
10-1f : Cinema Zoom 1-16

Ack

[c] [] [Set ID] [] [OK] [Data] [x]

Data 1 : Normal Screen (4:3) 2 : Wide Screen (16:9)
4 : Zoom 6 : Set By Program 9 : Just Scan
10-1f : Cinema Zoom 1-16

03. Blank Image (Command:kd)

⇒ Controls Video Mute On/Off.

Transmission

[k] [d] [] [Set ID] [] [Data] [Cr]

Data 0 : Video Mute Off (video On)
1 : Video Mute On (video Off)

Ack

[d] [] [Set ID] [] [OK] [Data] [x]

Data 0 : Video Mute Off (video On)
1 : Video Mute On (video Off)

04. Volume Mute (Command:ke)

⇒ Adjusts Volume Mute On/Off.

Transmission

[k] [e] [] [Set ID] [Data] [Cr]

Data 0 : Volume Mute On (Volume Off)
1 : Volume Mute Off (Volume On)

Ack

[e] [] [Set ID] [] [OK] [Data] [x]

Data 0 : Volume Mute On (Volume Off)
1 : Volume Mute Off (Volume On)

05. Volume Control (Command : kf)

⇒ Sets a volume.

Transmission

[k] [f] [] [Set ID] [] [Data] [Cr]

Data Min : 0H – Max : 64H
(* Transmitted in hexadecimal code)
* Refer to the actual data structure 1.

Ack

[f] [] [Set ID] [] [OK] [Data] [x]

Data Min : 0 – Max : 64

06. Contrast (Command : kg)

⇒ Adjusts screen brightness.

Transmission

[k] [g] [] [Set ID] [] [Data] [Cr]

Data Min : 0 – Max : 64

Ack

[g] [] [Set ID] [] [OK] [Data] [x]

Data Min : 0 – Max : 64

* Refer to the actual data structure 1.

07. Brightness (Command:kh)

⇒ Adjusts screen brightness.

Transmission

[k] [h] [] [Set ID] [] [Data] [Cr]

Data Min : 0H – Max : 64H

Ack

[h] [] [Set ID] [] [OK] [Data] [x]

Data Min : 0H – Max : 64H

* Refer to the actual data structure 1.
(* Transmitted in hexadecimal code)

08.Color (Command : ki)

⇒ Adjusts screen color. (Video / S-Video / Component)

Transmission

[k] [i] [] [Set ID] [] [Data] [Cr]

Data Min : 0 – Max : 64

(* Transmitted in hexadecimal code)

Ack

[i] [] [Set ID] [] [OK] [Data] [x]

Data Min : 0 – Max : 64

* Refer to the actual data structure 1.

09.Tint (Command : kj)

⇒ Adjusts screen color. (Video / S-Video / Component)

Transmission

[k] [j] [] [Set ID] [] [Data] [Cr]

Data Red : 0H – Green : 64H

(* Transmitted in hexadecimal code)

Ack

[j] [] [Set ID] [] [OK] [Data] [x]

Data Red : 0H – Green : 64H

* Refer to the actual data structure 2.

10.Sharpness (Command : kk)

⇒ Adjusts screen sharpness. (Video / S-Video / Component)

Transmission

[k] [k] [] [Set ID] [] [Data] [Cr]

Data Min : 0H – Max : 64H

(* Transmitted in hexadecimal code)

Ack

[k] [] [Set ID] [] [OK] [Data] [x]

Data Min : 0H – Max : 64H

* Refer to the actual data structure 1.

* This function is used when a remote control is not being used. When the remote control lock is On, all the buttons on the control panel and remote control do not support the Set function.

11.OSD Select (Command : kl)

⇒ Selects OSD On/Off.

Transmission

[k] [l] [] [Set ID] [] [Data] [Cr]

Data 0: OSD Select Mode Off
1: OSD Select Mode On

Ack

[l] [] [Set ID] [] [OK] [Data] [x]

Data 0: OSD Select Mode Off
1: OSD Select Mode On

12.Remote Control Lock/Key Lock (Command: km)

⇒ Sets the function of locking the remote control and local keypad of the remote control.

Transmission

[k] [m] [] [Set ID] [] [Data] [Cr]

Data 0: Lock Off
1: Lock On

Ack

[m] [] [Set ID] [] [OK] [Data] [x]

Data 0: Lock Off
1: Lock On

* This function is used when the remote control is not being used. If remote control lock is On, none of the buttons of the local keypad and remote control will work.

13.Balance (Command : kt)

⇒ Adjusts Audio Balance.

Transmission

[k] [t] [] [Set ID] [] [Data] [Cr]

Data L: 0H – R : 64H

(* Transmitted in hexadecimal code)

Ack

[t] [] [Set ID] [] [OK] [Data] [x]

Data L: 0H – R : 64H

* Refer to the actual data structure 2.

14.Color Temperature (ACC) (Command: ku)

⇒ Adjusts the value of color temperature.

Transmission

[k] [u] [] [Set ID] [] [Data] [Cr]

Data 0: Medium 1: Cool 2: Warm 4:Natural
(* Transmitted in hexadecimal code)

* 3 is not used.

Ack

[u] [] [Set ID] [] [OK] [Data] [x]

Data 0: Medium 1: Cool 2: Warm 4: Natural

15.Channel Add/Del (Command: mb)

⇒ Adds/Deletes a channel.

Transmission

[m] [b] [] [Set ID] [] [Data] [Cr]

Data 0: Delete 1: Add
(* Transmitted in hexadecimal code)

Ack

[b] [] [Set ID] [] [OK] [Data] [x]

Data 0: Delete 1: Add

16. Black Level (Command: nm)

⇒ Adjusts the value of Black Level

Transmission

[n] [m] [] [Set ID] [] [Data] [Cr]

Data 0: Low 1: High
(* Transmitted in hexadecimal code)

Ack

[m] [] [Set ID] [] [OK] [Data] [x]

Data 0: Low 1: High

17. Lamp Mode (Command: np)

⇒ A function used to set Lamp Mode.

Transmission

[n] [p] [] [Set ID] [] [Data] [Cr]

Data 0: Normal 1: Economic
(* Transmitted in hexadecimal code)

Ack

[p] [] [Set ID] [] [OK] [Data] [x]

Data 0: Normal 1: Economic

18. Auto Configure (Command: ju)

⇒ Adjusts the video position by using RGB Mode and minimizing image shake.

Transmission

[j] [u] [] [Set ID] [] [Data] [Cr]

Data 1: To set
(* Transmitted in hexadecimal code)

Ack

[u] [] [Set ID] [] [OK] [Data] [x]

Data 1: To set

19. Input Select (Command: xb)

⇒ Select the input signal of a set.

Transmission

[x] [b] [] [Set ID] [] [Data] [Cr]

Data 20: Video 40: Component 60: RGB
90: HDMI1 91: HDMI2
(* Transmitted in hexadecimal code)

Ack

[b] [] [Set ID] [] [OK] [Data] [x]

Data 20: Video 40: Component 60: RGB
90: HDMI1 91: HDMI2

20. Key (Command: mc)

Sends a key code of the IR remote control.

Transmission

[m] [c] [] [Set ID] [] [Data] [Cr]

Data key code * Refer to page 44.
(* Transmitted in hexadecimal code)

Ack

[c] [] [Set ID] [] [OK] [Data] [x]

Data key code

21. Picture Mode (Command: ns)

⇒ A function used to set Picture Mode

Transmission

[n] [s] [] [Set ID] [] [Data] [Cr]

Data 0: Vivid 1: Standard 2: Natural
3: Cinema 4: Sport 5: Game
6: Expert 1 7: Expert 2
(* Transmitted in hexadecimal code)

Ack

[s] [] [Set ID] [] [OK] [Data] [x]

Data 0: Vivid 1: Standard 2: Natural
3: Cinema 4: Sport 5: Game
6: Expert 1 7: Expert 2
(* Transmitted in hexadecimal code)

Key Code

Key Name	Key Code
^	0x40
v	0x41
>	0x06
<	0x07
전원	0xAD
입력선택	0xEF
메뉴	0x43
이전 (Back)	0x28
확인	0x44
화면정지	0xBC
화면크기	0x79
화면가림	0x84
영상모드	0x4D
자동조정	0x92
간편설정	0x45
취침예약	0x0E
입체영상	0xDC
테스트패턴	0x6F
TV	0x0F
외부입력	0x5A
컴포넌트	0xBF
RGB	0xD5
HDMI 1	0xCE
HDMI 2	0xCC

Key Name	Key Code
채널목록	0x4C
이전채널	0x1A
선호채널	0x1E
조용히	0x09
음량 +	0x02
음량 -	0x03
채널 ^	0x00
채널 v	0x01
방송안내	0xAB
정보표시	0xAA
Red	0x72
Green	0x71
Yellow	0x63
Blue	0x61
1	0x11
2	0x12
3	0x13
4	0x14
5	0x15
6	0x16
7	0x17
8	0x18
9	0x19
0	0x10

22. Key (Command: xt)

⇒ Controls 3D.

Transmission

[x][t][][Set ID][][Data1][][Data2][][Data3][][Data4][Cr]

- Data 1 (3D Mode)
 - 0: 3D Mode on 1: 3D Mode off
 - 2: 3D to 2D 3: 2D to 3D
 - Data 2 (3D Format)
 - 0: TOP and BOTTOM 1: Side by Side
 - 2: Check Board 3: Frame Sequential
 - Data 3 (LR)
 - 0: RL 1: LR
 - Data 4 (3D Depth)
 - 0 - 14
- (* Transmitted in hexadecimal code)

*** Note ***

⇒ Depth is available in 2D to 3D mode.

Ack

[t][][Set ID][][OK][Data1][Data2][Data3][Data4][x]

- Data 1 (3D Mode)
 - 0: 3D Mode on 1: 3D Mode off
 - 2: 3D to 2D 3: 2D to 3D
 - Data 2 (3D Format)
 - 0: TOP and BOTTOM 1: Side by Side
 - 2: Check Board 3: Frame Sequential
 - Data 3 (LR)
 - 0: RL 1: LR
 - Data 4 (3D Depth)
 - 0 - 14
- (* Transmitted in hexadecimal code)

23. Key (Command: xv)

⇒

In 3D, it controls LR, Depth, and Viewpoint.

Transmission

[x][v][][Set ID][][Data1][][Data2][Cr]

- Data 1
 - 0: LR 1: Depth 2: Viewpoint
- Data 2 :
 - i) Data1=0 (LR) ⇒ 0-1
 - ii) Data1=1 (Depth) ⇒ 0-14
 - III) Data1=2 (Viewpoint) ⇒ 0-14

(* Transmitted in hexadecimal code)

*** Note ***

⇒ Depth is available in 2D to 3D mode.

Ack

[v][][Set ID][][OK][Data1][Data2][x]

- Data 1
 - 0: LR 1: Depth 2: Viewpoint
- Data 2 :
 - i) Data1=0 (LR) ⇒ 0-1
 - ii) Data1=1 (Depth) ⇒ 0-14
 - III) Data1=2 (Viewpoint) ⇒ 0-14

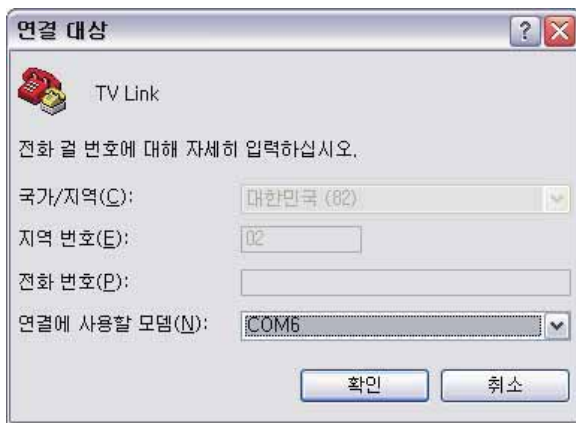
(* Transmitted in hexadecimal code)

*** Note ***

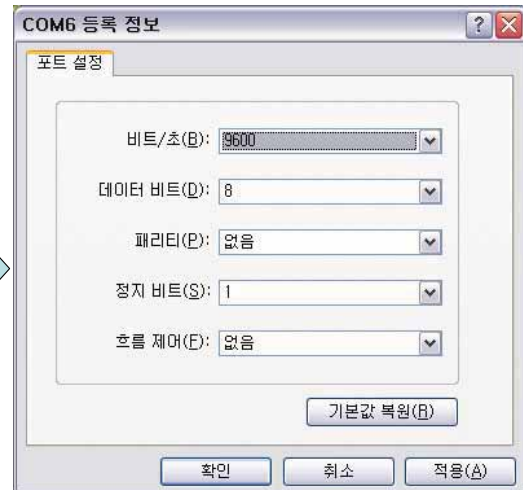
⇒ Depth is available in 2D to 3D mode.

Communication using Hyper Terminal

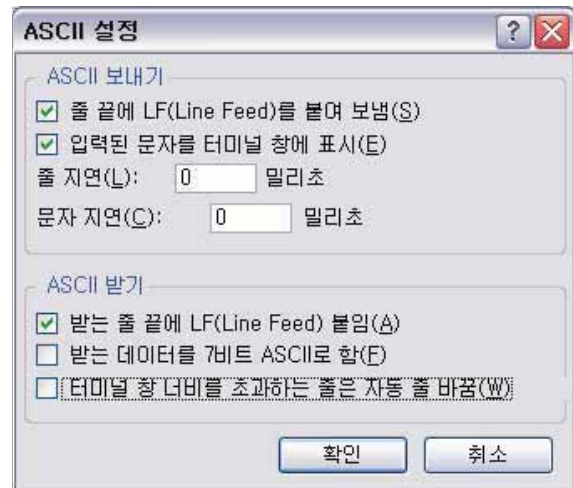
1. Setting Hyper Terminal



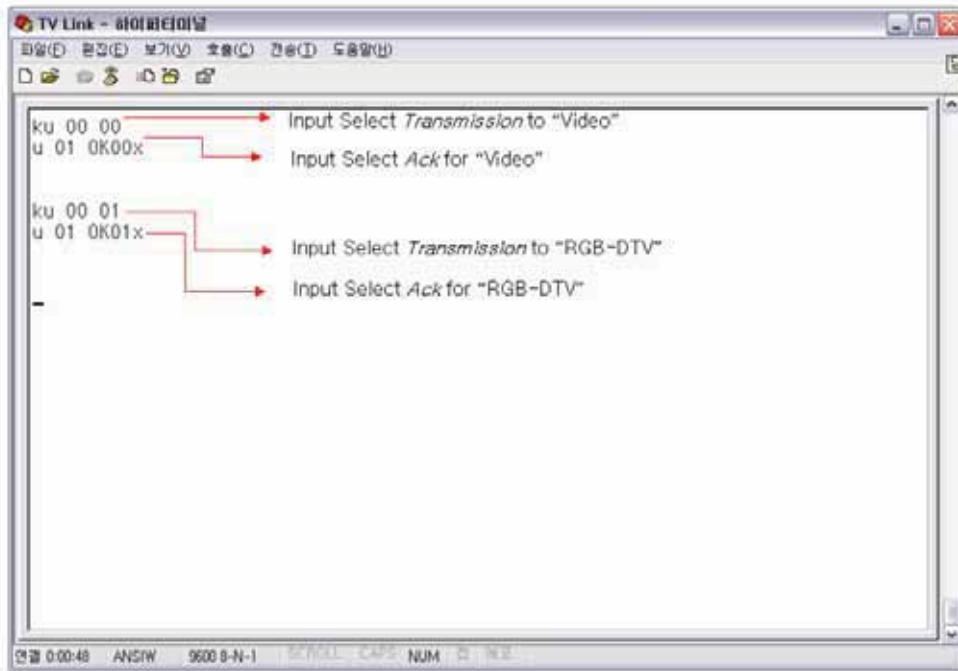
<Specifying communication port in User Configuration>



<Set to 9600>



2. Example of entering input switching command by using Hyper Terminal.



Miscellaneous

Supported Monitor Display

* The following table lists the display formats supported by the projector.

Resolution	Vertical Frequency (Hz)	Horizontal Frequency (kHz)
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
1360X768	60.015	47.712
1280X960	60.000	60.000
1280X1024	60.020	63.981
1400X1050	59.979	65.317
1680X1050	60.000	65.300
1920X1080	60.000	67.500

* If the projector does not support the input signal, the "Invalid Format" message appears on the screen.

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

* PC synchronization signal types supported: Separate type synchronization.

* 1920x1080 is recommended for the best picture quality in PC mode.

* HDMI-PC signal does not support 1920x1080 resolution.

< DVD/DTV Input >

Signal	Component-*1	HDMI-*2
NTSC (60 Hz)	480i	O
	480p	O
	720P	O
	1080i	O
	1080p	O
PAL (50 Hz)	576i	O
	576p	O
	720P	O
	1080i	O
	1080p	O
24 / 30 Hz	1080p	O

* Cable Type
1- RGB to Component conversion cable
2- HDMI cable

Maintenance

*Clean the case, lens, suction ports and exhaust vents of the projector periodically.

If dust or stains accumulate on the projector, it may appear on the screen, or the screen may appear darker. Cleaning is therefore very important.

If replacement parts are required, contact your seller or an LG Electronics Service Center.

To clean the parts of a projector, turn off the projector and pull the plug from the power outlet.

Clean the projector more often if it is used for commercial purposes or it is used in a dusty environment.

Cleaning the projector lens

If there is any dust or staining on the lens surface, you must clean the lens.

Use an air spray or a cleaning cloth to clean the lens.

To remove dust or stains, use an air spray or apply a small amount of cleaning agent onto a swab or soft cloth to clean the lens. Please be aware that liquid may flow into the lens if the product is sprayed directly onto the lens.

Cleaning the projector case

To clean the projector case, first unplug the power cord.

Do not use alcohol, benzene, thinners or other chemicals which may damage the case.

Cleaning the air vents

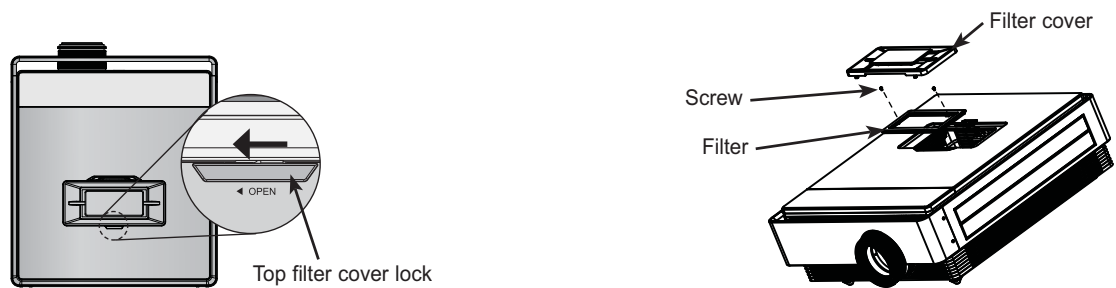
Check the air vents for dust or contaminants often and remove them, as it is easy for them to accumulate. If you continue to use the projector without removing these materials, the projector may not work properly due to its internal components overheating.

Cleaning the projector filter

It is recommended to clean the filter once a month to maintain the performance of the projector. When prompted to clean the filter, take the following steps.

<Cleaning the Top Filter>

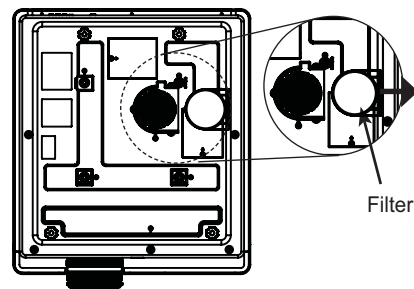
1. Turn off the projector and unplug the power cord. Place the projector on a table or flat surface.
2. Open the filter cover by pushing the filter cover lock in the direction of the arrow as shown in the picture.
3. After separating the filter cover, remove the screw.



- 3 Take out the filter and dust off lightly. (If the filter is damaged, use a new filter which is supplied as an accessory.)
- 4 After installing the filter and filter cover, push the filter cover lock in the reverse direction of the arrow until it clicks.

<Cleaning the Bottom Filter>

1. Turn off the projector and unplug the power cord. Place the projector on a table or flat surface.
2. Take out the filter by pulling the bottom filter in the
3. direction of the arrow as in the picture. (If the filter is damaged, use a new filter which is supplied as an accessory.)
4. Install the filter in the reverse order.



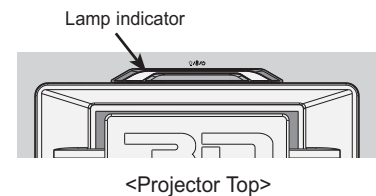
Do not turn off the projector

Replacing the Lamp

The lifetime of the lamp depends on the environment in which the projector is used. You can check how long the lamp has been used in the Lamp Time of the **INFORMATION** menu.

You must replace the lamp when:

- The projected image gets darker or starts to deteriorate in quality.
- The lamp indicator is magenta.
- The message "Replace the lamp" appears on the screen when turning the projector on.



Be careful when replacing the lamp

- Press the POWER button to turn off the power.
- If the operation indicator LED is cyan and blinking, do not disconnect the mains supply until the operation indicator LED has changed to blue as the fan is still running.
- Allow the lamp to cool down for 1 hour before replacing it.
- Replace only with the same type of lamp from an LG Electronics Service Center. Using another manufacturer's lamp may damage the projector and lamp.
- Only pull the lamp out when replacing it.
- Keep the lamp unit out of reach of children. Keep the lamp away from heat sources such as radiators, stoves etc. There is a risk of fire or burning.
- Do not expose the lamp to liquids or foreign materials. The lamp may burst.
- Do not insert any flammable or metal objects into the lamp socket after removing the lamp. This can result in electrical shock or damage the product.
- Fix the new lamp with screws securely. If it is not securely fixed, the projected image may become darker and there may be a fire risk.
- Do not touch the front glass of the new lamp or the glass of the lamp container. Picture quality and lamp lifetime may suffer.

Purchasing a replacement lamp

Lamp model numbers are listed on page 54, "Product Specifications".

Check the lamp model and then purchase it from an LG Electronics Service Center.

(Using another manufacturer's lamp may damage the projector.)

Disposing of the lamp

Dispose of the used lamp by returning it to the LG Electronics Service Center.

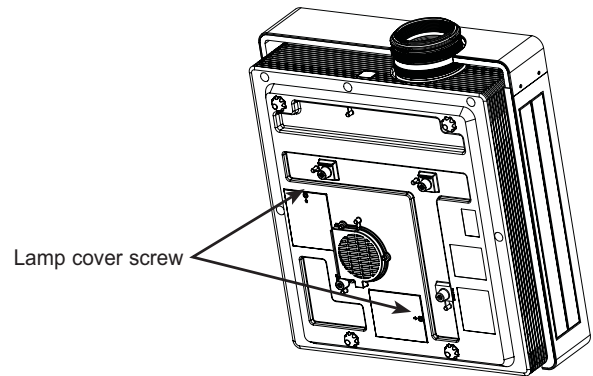
Projector lamp control

Warning

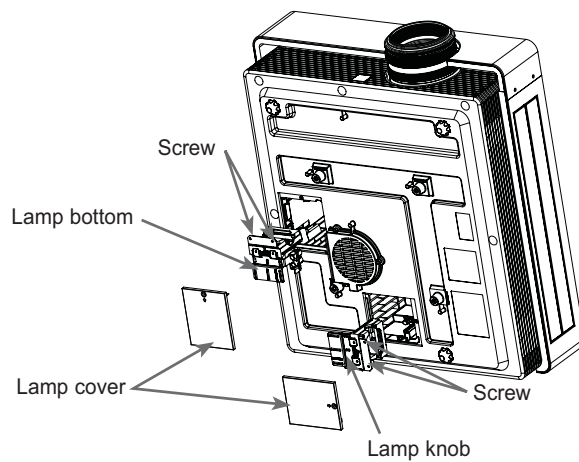
- within the first 5 minutes of turning it on.
 - Frequent On/Off changes may reduce lamp performance.
- Do not pull out the power cord while the projector or the cooling fan are running.
 - It may reduce the lifetime of the lamp and/or cause it to burst.
- The lifetime of the projector depends on environmental and handling conditions.
- The projector uses a high pressure mercury lamp. Shock or abuse to the projector can cause the lamp to burst loudly.
- Continued use of the projector when neglecting to replace the lamp may cause the lamp to burst loudly.
- If the lamp bursts, do the following:
 - Remove the power cord immediately.
 - Allow fresh air in immediately (Ventilation).
 - Go to a nearby service center to check projector condition and replace the lamp.
 - Only an authorized service technician is allowed to disassemble the projector.

Replacing the lamp

1. Turn off the projector and unplug the power cord. Place the projector on a table or flat surface. (Allow the lamp to cool down for 1 hour before removing the used lamp from the projector because it is very hot.)
2. Unscrew the screws from the lamp cover using a screwdriver. After pulling out the screws, lift off the lamp cover.



3. After lifting the lamp cover off, remove the two retaining screws which hold the lamp.



4. Pull out the lamp knob from the hitch.
5. Hold the lamp knob and pull it out slowly to remove the lamp case. Insert the new lamp gently into the correct position. Push the lamp bottom to check if it is correctly installed.
6. Tighten the screws you removed in step 3. (Make sure they are fixed firmly.)
7. Close the lamp cover and install the screws from step 2 to install the cover. (If the power is switched on while the lamp cover is open, the lamp warning indicator will be blink red and the projector will not be turned on.)

Note!

Make sure to use the same type of lamp for replacement.

If the lamp cover is not installed correctly, the projector will not be turned on. In this case, check if the lamp is installed correctly before contacting LG Electronics Service Center.

Troubleshooting

Please check the following when there is a problem with the projector before contacting LG Electronics Service Center.

Symptom	Checkpoint and Solution
Q. I cannot see a video on the screen.	<p>A. Check if the power light is turned on or the lens cap is closed. In addition, check if the cables are connected correctly according to the description in this manual.</p> <p>A wrong input signal may have been selected. Select another input signal by pressing the input selection button of the remote control or control panel.</p>
Q. "No signal" is displayed on the screen.	<p>A. A video device which is not connected to the projector has been selected, there is no signal from a computer or video device, or a connector has been incorrectly connected. Check the connection between the projector and the video device and also check if the input signal from the video device has been selected correctly.</p>
Q. "This mode is not supported (or 'No supported mode') is displayed.	<p>A. The projector cannot interpret the computer signal. Check supported monitor display format.</p>
Q. Part of the video or the entire video is blurred or there is no focus.	<p>A. Adjust the focus and position of the video. A. Adjust video settings. A. There may be dust or stains on the lens. Clean the lens according to the description in the Maintenance section.</p>
Q. Video colors are abnormal.	<p>A. It is necessary to adjust color balance. Adjust Color in Video Setting.</p>
Q. There is no screen output for HDMI connection.	<p>A. Check if the HDMI cable is a high-speed HDMI® cable. If it is not a high-speed HDMI® cable, the screen may flicker or not display anything.</p>
Q. 3D video is displayed abnormally.	<p>A. Select another 3D video. A. Press the "3D OPTION" button on the remote control and go to the 3D Configuration menu. Select better 3D video when changing the "3D Configuration". (Refer to page 20.) A. Check if the screen is 3D-compatible.</p>
Q. The screen on all the channels or a specific channel is overlapped or there are stripe patterns.	<p>A. Turn the antenna toward the broadcasting station or connect the antenna correctly according to "How to Connect an Antenna".</p>
Q. I cannot see some channels.	<p>A. Adjust the position or direction of the antenna. A. Add the desired channel in [Auto Tuning] / [Delete/Add] or [Channel List].</p>
Q. A video is stopped or broken for digital broadcasts.	<p>A. This happens when a signal is weak or reception is unstable. Adjust antenna direction or check cable connection. A. If the intensity or quality of a signal is low in MENU b CHANNEL b Manual Tuning, contact your broadcasting station or administration office to check the signal.</p>
Q. I cannot see digital broadcasts even though I am using a cable television.	<p>A. Check your subscription information to your cable television service provider or ask for the signal to be checked. (Some products do not provide digital broadcasts.)</p>

Service

◆ Customers' Rights ◆

Customers have the valuable right of receiving warranty free of charge for 1 year from the date of purchase in the event of product failure.

However, if the failure is caused by customer misuse or natural disaster, there will be a charge even if the product is within warranty.

◆ Responsibility for Charged Service (Charge to Customer) ◆

There will be a charge for products within warranty in the following cases.

There will be a charge for any service request where there is no malfunction, so be sure to read the user manual before requesting service.

① Tool cleaning, adjustment, or explanations are not product malfunctions. (There is a separate rule when repair is not possible.)

- ◆ Explaining how to use or simple adjustment without disassembly
- ◆ Installation of an external antenna, cable signal, and power
- ◆ Removal of dust or contaminants
- ◆ Installation position change due to projector relocation or moving, etc.
- ◆ Any installation position change after initial installation
- ◆ Installation of any additional projectors
- ◆ Any re-installation at the customer's request
- ◆ Head cleaning and removal of foreign objects
- ◆ Explaining how to set up a network and how to use a program from other companies

② Failure caused by customer misuse

■ Failure caused by customer misuse or faulty repair

- Failure caused by using an incorrect voltage
- Failure or damage from dropping the projector during transport
- Failure caused by using consumables or optional items not specified by LG Electronics
- Failure caused because a person other than a service technician from LG Electronics Service Center repaired or modified the projector.

③ Others

- Failure caused by natural disasters (fire, salt damage, flood damage)
- Lifetime of consumable parts has elapsed (battery, fluorescent light, head, oscillator, lamp, filter, toner, drum, ribbon, etc.)

◆ LG Electronics Service Information ◆

Call 1544-7777/1588-7777 (without area code) anywhere in Korea to ask for service, inquiry, or contact information of a local service center.

Product Specifications

MODELS	CF3DAT (CF3DAT-JS)
Resolution	1920 (H) x 1080 (V) pixels
Aspect ratio	16:9 (H:V)
Panel size (mm)	15.4
Projection distance (Video size)	Wide: 0.88 m - 9.08 m (76.2 cm - 762.0 cm) Tele: 1.14 m - 11.8 m (76.2 cm - 762.0 cm)
Ratio of upward projection	100 %
Working range of the remote control	12 m
Video input	NTSC/PAL/SECAM/NTSC4.43/PAL-M/PAL-N/PAL-60
POWER	AC 110 V - 240 V - 50/60 Hz, 5.5 A
Reception type	DTV-ATSC/TV-NTSC
Reception channels	VHF 2~13 channel, UHF 14~69 channel, Cable 01~135 channel, DTV 2~69 channel, DTV cable 1~135 channel
External Antenna Impedance	75 (VHF/UHF)
Headphone, earphone	Impedance: 16 / Output power: 10mW / Jack thickness: 3.5mm
Height (mm)	190
Width (mm)	501
Length (mm)	560
Weight (kg)	21.1

Operation environment

Temperature

Operating temperature: 0°C to 35°C
Storage temperature: -20°C to 60°C

Humidity

Operating humidity: 0% to 80% Relative humidity
Storage humidity: 0% to 85% Relative humidity

Altitude

Operating altitude: 0 m ~ 2500 m

Projector lamp

Lamp model name

AJ-LCF3

Power consumption of lamp

220 W (2EA)

Open Source software Information

The following GPL/LGPL/MPL execution files and libraries in this projector comply with the GPL 2.0/LGPL 2.1/MPL 1.1 license agreement.

GPL execution files:

Linux kernel 2.6, busybox, lzo, u-boot

LGPL library:

uClibc

MPL library:

nanox

You can ask LG Electronics for the source codes at the e-mail address below. We will send you a CD-ROM if you pay for expenses such as media cost or delivery, etc.: opensource@lge.com
This is effective for 3 years from the purchase date of the projector.

You can download the original copies of the GPL, LGPL, or MPL licenses at <http://www.gnu.org/licenses/> or <http://www.mozilla.org/MPL/>.

In addition, you can check the translations of the GPL and LGPL at <http://www.gnu.org/licenses/old-licenses/gpl-2.0-translations.html>, <http://www.gnu.org/licenses/old-licenses/lgpl-2.1-translations.html>.

Some software in the projector complies with the following copyright.

- ▶ jpeg: Independent JPEG Group, copyright © 1991 – 1998, Thomas G. Lane.
- ▶ libpng: copyright © 2004 Glenn Randers-Pehrson
- ▶ tinyxml: copyright © 2000-2006 Lee Thomason
- ▶ zlib: copyright © 1995-2002 Jean-loup Gailly and Mark Adler.

All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.



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 _____

■■■ Regulatory Information cont.

:: FCC Compliance Statement

This equipment has been tested and found to comply within the limits of a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment on and off), the user is encouraged to try to correct the interference by using one or more of the following measures:

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

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's (or your) authority to operate the equipment. Only peripherals (digital input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this monitor. Operation with non-certified peripherals is likely to result in interference to radio and TV reception. Only shielded signal cables may be used with this System.

NOTICE

The regulations are applied only to the products with the ID LABEL indicating specific requirements.

:: Canadian DOC Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations. Cet appareil numérique de la classe B

respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

NOTICE

The regulations are applied only to the products with the ID LABEL indicating specific requirements.

:: CE Conformity Notice (for Europe)

Products with the "CE" Marking comply with the EMC Directive(89/336/EEC) and LOW VOLTAGE Directive (73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms :

- EN 55022 ; Radio Frequency Interference
- EN 55024 ; Electromagnetic Immunity
- EN 61000-3-2 ; Power Line Harmonics
- EN 61000-3-3 ; Voltage Fluctuations
- EN 60950-1 ; Product Safety

NOTICE

The regulations are applied only to the products with the ID LABEL indicating specific requirements.

:: Low Radiation Compliance (MPR II)

This monitor meets one of the strictest guidelines available today for low radiation emissions, offering the user extra shielding and an antistatic screen coating. These guidelines, set forth by a government agency in Sweden, limit the amount of emission allowed in the Extremely Low Frequency (ELF) and Very Low Frequency (VLF) electromagnetic range.

:: TCO'99 (TCO'99 applied model only)



Congratulations!

You have just purchased a TCO'99 approved and labelled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also to the further development of environmentally adapted electronics products.

■■■ Regulatory Information cont.

Why do we have environmentally labelled computers?

In many countries, environmental labelling has become an established method for encouraging the adaptation of goods and services to the environment. With the growing manufacture and usage of electronic equipment throughout the world, there is a recognized concern for the materials and substances used by electronic products with regards to their eventual recycling and disposal. By proper selection of these materials and substances, the impact on the environment can be minimized.

There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Electronic equipment in offices is often left running continuously, resulting in unnecessary consumption of large amounts of energy and additional power generation. From the standpoint of carbon dioxide emissions alone, it is vital to save energy.

What does labelling involve?

The product meets the requirements for the TCO'99 scheme which provides for international and environmental labelling of personal computers and/or displays.

The labelling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Svenska Naturskyddsforeningen (The Swedish Society for Nature Conservation) and Statens Energimyndighet (The Swedish National Energy Administration).

Approval requirements cover a wide range of issues: ecology, ergonomics, emission of electrical and magnetical fields, energy consumption and electrical safety.

Ecological criteria impose restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, and other substances. The product must be prepared for recycling and the manufacturing site(s) shall be certified according to ISO14001 or EMAS registered.

Energy requirements include a demand that the system unit and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the system unit shall be reasonable for the user.

Labelled products must meet strict environmental demands, for example, in respect of the reduction of electrical and magnetical fields as well as work load and

visual ergonomics.

Below you will find a brief summary of the ecological requirements met by this product. The complete ecological criteria document can be found at TCO Development's website <http://www.tcodevelopment.com> or may be ordered from:

TCO Development

SE-114 94 STOCKHOLM, Sweden

Fax: +46 8 782 92 07

Email : development@tco.se

Information regarding TCO'99 approved and labelled products may also be obtained at <http://www.tcodevelopment.com>

Ecological requirements

Flame retardants

Flame retardants may be present in printed wiring board laminates, cables, and housings. Their purpose is to prevent, or at least to delay the spread of fire. Up to 30% by weight of the plastic in a computer casing can consist of flame retardant substances. Many flame retardants contain bromine or chlorine, and these flame retardants are chemically related to PCBs (polychlorinated biphenyls). Both the flame retardants containing bromine or chlorine and the PCBs are suspected of giving rise to health effects, including reproductive damage in fish-eating birds and mammals, due to the bio-accumulative* processes when not disposed of in accordance with strict standards for disposal.

TCO'99 requires that plastic components weighing more than 25 grams shall not contain flame retardants with organically bound bromine or chlorine. Flame retardants are allowed in the printed wiring board laminates due to the lack of commercially available alternatives.

Cadmium**

Cadmium is present in rechargeable batteries and in the colour-generating layers of certain computer displays. TCO'99 requires that batteries, the colour-generating layers of display screens, and the electrical or electronics components shall not contain any cadmium.

Mercury**

Mercury is sometimes found in batteries, relays and switches. TCO'99 requires that batteries shall not contain any mercury. It also demands that mercury is not present in any of the electrical or electronics components associated with the labelled unit. There is however one

■■■ Regulatory Information cont.

exception. Mercury is, for the time being, permitted in the back light system of flat panel monitors as there today is no commercially available alternative. TCO aims on removing this exception when a mercury free alternative is available.

Lead**

Lead can be found in picture tubes, display screens, solders and capacitors. TCO'99 permits the use of lead due to the lack of commercially available alternatives, but in future requirements TCO Development aims at restricting the use of lead.

* Bio-accumulative is defined as substances which accumulate in living organisms.

**Lead, Cadmium and Mercury are heavy metals which are bio-accumulative.

:: **TCO'03** (TCO'03 applied model only)



Congratulations!

The display you have just purchased carries the TCO'03 Displays label.

This means that your display is designed, manufactured and tested according to some of the strictest quality and environmental requirements in the world. This makes for a high performance product, designed with the user in focus that also minimizes the impact on our natural environment. Some of the features of the TCO'03 Display requirements:

Ergonomics

- Good visual ergonomics and image quality in order to improve the working environment for the user and to reduce sight and strain problems. Important parameters are luminance, contrast, resolution, reflectance, colour rendition and image stability.

Energy

- Energy-saving mode after a certain time – beneficial both for the user and the environment
- Electrical safety

Emissions

- Electromagnetic fields

- Noise emissions

Ecology

- The product must be prepared for recycling and the manufacturer must have a certified environmental management system such as EMAS or ISO 14 001
- Restrictions on
 - chlorinated and brominated flame retardants and polymers
 - heavy metals such as cadmium, mercury and lead.

The requirements included in this label have been developed by TCO Development in co-operation with scientists, experts, users as well as manufacturers all over the world. Since the end of the 1980s TCO has been involved in influencing the development of IT equipment in a more user-friendly direction. Our labelling system started with displays in 1992 and is now requested by users and IT-manufacturers all over the world.

For more information, please visit
www.tcodevelopment.com

English

Information for Environmental Preservation

LGE. announced the 'LG Declaration for a Cleaner Environment' in 1994, and this ideal has served as a guiding managerial principle ever since. The Declaration is a foundation that has allowed us to undertake environmentally friendly activities in careful consideration of economic, environmental, and social aspects.

We promote activities for environmental preservation, and we specifically develop our products to embrace the concept of environment-friendly.

We minimize the hazardous materials contained in our products. For example, there is no cadmium to be found in our monitors.

Information for recycling

This monitor may contain parts which could be hazardous to the environment. It is important that this monitor be recycled after use.

LGE. handles all waste monitors through an environmentally acceptable recycling method. There are several take-back and recycling systems currently in

■■■ Regulatory Information cont.

operation worldwide. Many parts will be reused and recycled, while harmful substances and heavy metals are treated by an environmentally friendly method.

If you want to find out more information about our recycling program, please contact your local LG vendor or a corporate representative of LG.

We set our vision and policies on a cleaner world by selecting the issue of the global environment as a task for corporate improvement. Please visit our website for more information about our 'green' policies.

<http://www.lge.com/about/environment/html/Recycling.jsp>

■ ■ ■ Deutsch

Informationen zur Erhaltung der Umwelt

Im Jahr 1994 verkündete LGE die 'LG Declaration for a Cleaner Environment' (LG Erklärung für eine sauberere Umwelt). Seitdem dient dieses Ideal als führendes Prinzip des Unternehmens. Diese Erklärung war die Basis für die Durchführung von

umweltfreundlichen Aktivitäten, wobei wirtschaftliche, umweltbezogene und soziale Aspekte in die Überlegungen mit einbezogen wurden.

Wir fördern Aktivitäten zum Schutz der Umwelt und die Entwicklung unserer Produkte ist darauf ausgerichtet, unserem Konzept bezüglich Umweltfreundlichkeit gerecht zu werden.

Wir sind darauf bedacht, den Anteil der in unseren Produkten enthaltenen schädlichen Materialien zu minimieren. So ist in unseren Monitoren beispielsweise kein Kadmium zu finden.

Informationen zum Thema Recycling

Dieser Monitor enthält Teile, die umweltschädlich sein können. Es ist unbedingt erforderlich, dass der Monitor recycelt wird, nachdem er außer Dienst gestellt wurde.

Bei LGE werden alle ausrangierten Monitore in einem unter umweltbezogenen Aspekten geeigneten Verfahren recycelt. Augenblicklich sind weltweit mehrere Rücknahme- und Recyclingsysteme im Einsatz. Viele Teile werden wieder verwendet und recycelt. Schädliche Substanzen und Schwermetalle werden durch umweltverträgliche Verfahren behandelt.

Falls Sie mehr über unser Recyclingprogramm erfahren möchten, wenden Sie sich bitte an Ihren lokalen LG-Händler oder einen Unternehmensvertreter von LG.

Wir richten unsere Firmenpolitik auf eine sauberere Umwelt hin aus, indem wir umweltspezifische Aspekte als wichtigen Punkt in die Weiterentwicklung unseres Unternehmens einfließen lassen. Zusätzliche Informationen über unsere 'grüne' Firmenpolitik erhalten Sie auf unserer Website.

<http://www.lge.com/about/environment/html/Recycling.jsp>

■ ■ ■ Français

Information sur la protection de l'environnement

LGE a publié sa 'Déclaration en faveur d'un environnement plus propre' en 1994 et celle-ci est restée, depuis lors, un principe directeur de notre entreprise. Cette déclaration a servi de base à notre réflexion et nous a permis de prendre en compte à la fois les aspects économiques et sociaux de nos activités, tout en respectant l'environnement.

Nous encourageons les activités en faveur de la préservation de l'environnement et c'est dans cet esprit que nous développons nos produits : nous réduisons au minimum les matières dangereuses qui entrent dans leur composition et l'on ne trouve pas de cadmium, par exemple, dans nos moniteurs.

Information sur le recyclage

Ce moniteur peut contenir des composants qui présentent un risque pour l'environnement. Il est donc important que celui-ci soit recyclé après usage.

LGE traite les moniteurs en fin de cycle conformément à une méthode de recyclage respectueuse de l'environnement. Nous reprenons nos produits et les recyclons dans plusieurs sites répartis dans le monde entier. De nombreux composants sont réutilisés et recyclés, et les matières dangereuses, ainsi que les métaux lourds, sont traités selon un procédé écologique.

Si vous souhaitez plus de renseignements sur notre programme de recyclage, veuillez contacter votre revendeur LG ou un l'un de nos représentants.

Nous voulons agir pour un monde plus propre et croyons au rôle de notre entreprise dans l'amélioration de l'environnement. Pour plus de renseignements sur notre politique "verte", rendez visite à notre site :

<http://www.lge.com/about/environment/html/Recycling.jsp>

■■■ Regulatory Information cont.

Italiano

Informazioni per la tutela dell'ambiente

La LGE. ha annunciato nel 1994 la cosiddetta 'LG Declaration for a Cleaner Environment' (Dichiarazione di LG a favore di un ambiente più pulito), un ideale che da allora funge da principio ispiratore della gestione aziendale. La dichiarazione rappresenta il fondamento che consente di intraprendere attività a favore dell'ambiente tenendo conto degli aspetti economici, ambientali e sociali. Noi della LG, promuoviamo attività a favore della tutela dell'ambiente sviluppando appositamente i nostri prodotti per cogliere il concetto del rispetto dell'ambiente riducendo i materiali dannosi presenti nei nostri prodotti. Ad esempio nei nostri monitor non è presente il cadmio.

Informazioni per il riciclaggio

Il monitor può presentare componenti che potrebbero risultare eventualmente dannosi per l'ambiente. È importante che il monitor sia riciclato al termine del suo utilizzo.

La LGE. gestisce tutti i monitor di rifiuto con un metodo di riciclaggio soddisfacente dal punto di vista ambientale. In tutto il mondo sono attualmente in funzione numerosi sistemi di riciclaggio e recupero. I diversi componenti sono riutilizzati e riciclati, mentre le sostanze dannose e i metalli pesanti vengono trattati con un metodo rispettoso dell'ambiente.

Se si desiderano maggiori informazioni in merito al programma di riciclaggio, è consigliabile rivolgersi al proprio rivenditore LG o ad un rappresentante aziendale della LG.

Noi della LG impostiamo la nostra visione e le nostre politiche a favore di un mondo più pulito ponendo la questione dell'ambiente dal punto di vista globale come una mansione rivolta al miglioramento della nostra azienda. Vi invitiamo a visitare il nostro sito internet per ulteriori informazioni sulla nostra politica "verde".

<http://www.lge.com/about/environment/html/Recycling.jsp>

Espanol

Información para la conservación medioambiental

LGE. presentó la 'Declaración para un entorno más limpio de LG' en 1994 y este ideal ha servido para guiar nuestros principios empresariales desde entonces. La Declaración es la base que nos ha permitido llevar a cabo tareas que

respetan el medio ambiente siempre teniendo en cuenta aspectos sociales, económicos y medioambientales.

Promocionamos actividades orientadas a la conservación del medio ambiente y desarrollamos nuestros productos específicamente para que se ajusten a la filosofía que protege el entorno.

Reducimos al máximo el uso de materiales de riesgo en nuestros productos. Un ejemplo de ello es la ausencia total de cadmio en nuestros monitores.

Información para el reciclaje

Este monitor puede contener piezas que entrañen riesgos medioambientales. Es importante reciclar este monitor después de su utilización.

LGE. trata todos los monitores usados siguiendo un método de reciclaje que no daña al entorno. Contamos con diversos sistemas de recuperación y reciclaje que funcionan a nivel mundial en la actualidad. Es posible reciclar y reutilizar muchas de las piezas, mientras que las sustancias dañinas y los metales pesados se tratan siguiendo un método que no perjudique al medio ambiente. Si desea obtener más información acerca del programa de reciclaje, póngase en contacto con su proveedor local de LG o con un representante empresarial de nuestra marca.

Basamos nuestra visión y nuestras políticas en un mundo más limpio y para ellos optamos por un entorno global como tarea principal de nuestra evolución como empresa. Visite nuestra página Web para obtener más información sobre nuestras políticas ecológicas.

<http://www.lge.com/about/environment/html/Recycling.jsp>

Português

Informações relacionadas à preservação ambiental

A LGE. anunciou a 'LG Declaration for a Cleaner Environment' (Declaração da LG para um ambiente mais limpo) em 1994 e esse ideal tem servido desde então como um princípio administrativo de orientação. A Declaração é a base que nos tem permitido realizar atividades favoráveis ao ambiente com consideração atenta aos aspectos econômicos, ambientais e sociais.

Promovemos atividades de preservação ambiental e desenvolvemos nossos produtos para englobar

■■■ Regulatory Information cont.

especificamente o conceito de favorável ao ambiente.

Reduzimos os materiais perigosos contidos em nossos produtos. Por exemplo, não há cádmio em nossos monitores.

Informações relacionadas à reciclagem

Este monitor pode conter peças que podem representar riscos ao ambiente. É importante que ele seja reciclado após o uso.

A LGE cuida de todos os monitores descartados através de um método de reciclagem agradável ao ambiente. Há vários sistemas de devolução e reciclagem atualmente em operação no mundo. Muitas peças serão reutilizadas e recicladas e as substâncias nocivas e os metais pesados passarão por tratamento através de um método favorável ao ambiente.

Para obter mais informações sobre nosso programa de reciclagem, entre em contato com seu fornecedor LG local ou com um representante corporativo da LG.

Definimos nossa visão e nossas políticas relacionadas a um mundo mais limpo selecionando a questão do ambiente global como uma tarefa de aprimoramento corporativo. Visite nosso site para obter mais informações sobre nossas políticas de meio ambiente.

<http://www.lge.com/about/environment/html/Recycling.jsp>

■■■ Nederlands

Informatie met betrekking tot het behoud van het milieu

LGE publiceerde in 1994 de 'LG Declaration for a Cleaner Environment' (de LG-verklaring met betrekking tot een schoner milieu). Deze verklaring en het ideaal van een schoner milieu fungeren sindsdien als een bestuurlijke leidraad voor onze onderneming. Op basis van deze verklaring ontplooiën wij milieuvriendelijke activiteiten, waarbij er zowel met sociale en economische aspecten, als met milieuaspecten zorgvuldig rekening wordt gehouden.

Wij ondersteunen activiteiten die zijn gericht op het behoud van het milieu en wij houden bij het ontwikkelen onze producten specifiek rekening met de milieuvriendelijkheid van onze producten.

Wij minimaliseren het gebruik van schadelijke stoffen in onze producten. Er wordt bijvoorbeeld geen cadmium verwerkt in onze monitoren.

Informatie met betrekking tot recycling

Deze monitor bevat materialen die schadelijk zouden kunnen zijn voor het milieu. Het is belangrijk dat deze monitor aan het einde van zijn levensduur wordt gerecycled.

LGE verwerkt alle afvalmonitoren via een milieuvriendelijke recyclingmethode. Hiervoor worden er momenteel wereldwijd verscheidene inname- en recyclingsystemen gehanteerd. Een groot aantal onderdelen wordt opnieuw gebruikt en gerecycled, waarbij schadelijke stoffen en zware metalen volgens een milieuvriendelijke methode worden verwerkt.

Voor meer informatie over ons recyclingprogramma kunt u contact opnemen met uw plaatselijke LG-vertegenwoordiger of een LG-vestiging.

Onze visie en ons beleid met betrekking tot een schonere wereld vloeien voort uit het feit dat wij het milieu hebben aangemerkt als een onderwerp dat speciale aandacht verdient binnen onze onderneming. Bezoek onze website voor meer informatie over ons 'groene' beleid.

<http://www.lge.com/about/environment/html/Recycling.jsp>

■■■ Russian

Информация по охране окружающей среды

В 1994 году корпорация LGE опубликовала 'Декларацию LG по охране окружающей среды', которая с тех пор служит основным принципом управления. На основе этой декларации мы смогли предпринять действия, обеспечивающие безопасность окружающей среды, уделяя при этом должное внимание экономическим, экологическим и социальным аспектам.

Мы стимулируем деятельность по охране окружающей среды, уделяя особое внимание разработке нашей продукции в соответствии с концепцией экологической безопасности.

Мы сводим к минимуму содержание опасных веществ в нашей продукции. Например, в наших мониторах вы не найдете кадмия.

Информация по утилизации отходов

Этот монитор может содержать компоненты, которые могут нанести ущерб окружающей среде.

■■■ Regulatory Information cont.

Необходимо утилизировать монитор после использования.

Корпорация LGE перерабатывает все бракованные мониторы с помощью экологически приемлемого метода утилизации отходов. По всему миру действуют системы утилизации отходов и возврата использованной продукции. Многие компоненты будут вторично использованы и утилизированы, в то время как вредные вещества и тяжелые металлы будут обработаны с помощью экологически приемлемого метода.

За более подробной информацией по нашей программе утилизации отходов обращайтесь к местному поставщику или представителю корпорации LG.

Мы ориентируемся на обеспечение экологической безопасности, ставя себе целью глобальную защиту окружающей среды. Дополнительную информацию о нашей политике по охране окружающей среды вы можете найти на нашем сайте:
<http://www.lge.com/about/environment/html/Recycling.jsp>

한국어

환경 보존 정보

LG 전자는 1994년 'LG 환경 선언문'을 발표한 후 현재까지 이를 기업 경영의 이념으로 삼아왔습니다. 이 선언문을 바탕으로 LG 전자는 모든 경영 활동에서 경제성뿐만 아니라 환경성 및 사회성을 주요 의사 결정의 기준으로 삼음으로써 지속적으로 환경 친화적인 경영을 전개하고 있습니다.

본사는 보다 활발한 환경 보존 활동과 더불어 환경 친화적 제품 개발에 주력해 왔습니다. 또한 제품에 포함되는 환경 위해 요소를 최소화하는 데에도 노력을 기울이지 않고 있습니다. LG 전자 모니터의 경우 카드를 전혀 사용하지 않는 것에서도 이러한 노력을 알 수 있습니다.

재활용 정보

본 모니터에는 환경에 위해를 주는 부품이 포함되어 있을 수도 있습니다. 따라서 사용이 끝난 모니터는 재활용하는 것이 좋습니다.

폐모니터는 모두 환경 친화적 방식으로 처리됩니다. 현재 세계적으로 운영되고 있는 회수 및 재활용 시스템에는

여러 가지가 있습니다. 대부분의 부품의 경우 재사용 또는 재활용되지만 환경 위해 물질과 중금속은 환경 친화적 방법으로 처리됩니다.

본사의 재활용 프로그램에 대한 자세한 정보는 각 지역의 LG 공급업체나 LG 기업 대표부에 문의하시기 바랍니다.

LG 전자는 기업 개선 정책의 하나로 지구 환경 문제를 채택함으로써 보다 나은 환경을 만들어 나가기 위한 비전과 정책을 수립했습니다. 본사의 친환경 정책에 대한 자세한 정보를 보시려면 아래의 웹 사이트를 방문하십시오.

http://www.lge.co.kr/ckr/about/envirion/purity_02.jsp

∴EPA (EPA applied model only)

ENERGY STAR is a set of power-saving guidelines issued by the U.S. Environmental Protection Agency(EPA).



As an ENERGY STAR Partner LGE U. S. A.,Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

∴NOM MARK (Mexico only)



Regulatory Information cont.

:: WEEE (for Europe)



English

Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

French

Élimination de votre ancien appareil

1. Ce symbole, représentant une poubelle sur roulettes barrée d'une croix, signifie que le produit est couvert par la directive européenne 2002/96/EC.
2. Les éléments électriques et électroniques doivent être jetés séparément, dans les vide-ordures prévus à cet effet par votre municipalité.
3. Une élimination conforme aux instructions aidera à réduire les conséquences négatives et risques éventuels pour l'environnement et la santé humaine.
4. Pour plus d'information concernant l'élimination de votre ancien appareil, veuillez contacter votre mairie, le service des ordures ménagères ou encore la magasin où vous avez acheté ce produit.

Italian

Smaltimento delle apparecchiature obsolete

1. Quando su un prodotto è riportato il simbolo di

un bidone della spazzatura barrato da una croce significa che il prodotto è coperto dalla direttiva europea 2002/96/EC.

2. Tutti i prodotti elettrici ed elettronici dovrebbero essere smaltiti separatamente rispetto alla raccolta differenziata municipale, mediante impianti di raccolta specifici designati dal governo o dalle autorità locali.
3. Il corretto smaltimento delle apparecchiature obsolete contribuisce a prevenire possibili conseguenze negative sulla salute umana e sull'ambiente.
4. Per informazioni più dettagliate sullo smaltimento delle apparecchiature obsolete, contattare il comune, il servizio di smaltimento rifiuti o il negozio in cui è stato acquistato il prodotto.

Swedish

Kassering av din gamla apparat

1. När den här symbolen med en överkryssad soptunna på hjul sitter på en produkt innebär det att den regleras av European Directive 2002/96/EC.
2. Alla elektriska och elektroniska produkter bör kasseras via andra vägar än de som finns för hushållsavfall, helst via för ändamålet avsedda uppsamlingsanläggningar som myndigheterna utser.
3. Om du kasserar din gamla apparat på rätt sätt så bidrar du till att förhindra negativa konsekvenser för miljön och människors hälsa.
4. Mer detaljerad information om kassering av din gamla apparat kan fås av kommunen, renhållningsverket eller den butik där du köpte produkten.

Dutch

Uw oude toestel wegdoen

1. Als het symbool met de doorgekruiste verrijdbare afvalbak op een product staat, betekent dit dat het product valt onder de Europese Richtlijn 2002/96/EC.
2. Elektrische en elektronische producten mogen niet worden meegegeven met het huishoudelijk afval, maar moeten worden ingeleverd bij speciale inzamelingspunten die door de lokale of landelijke overheid zijn aangewezen.
3. De correcte verwijdering van uw oude toestel helpt negatieve gevolgen voor het milieu en de menselijke gezondheid voorkomen.

■■■ Regulatory Information cont.

4. Wilt u meer informatie over de verwijdering van uw oude toestel? Neem dan contact op met uw gemeente, de afvalophaaldienst of de winkel waar u het product hebt gekocht.

■■■ Finnish

Vanhon laitteen hävittäminen

1. Tämä merkki tuotteessa tarkoittaa, että tuote kuuluu sähkö- ja elektroniikkalaiteromusta annetun EU-direktiivin 2002/96/EY soveltamisalaan.
2. Kaikki elektroniset laitteet ovat ongelmajätettä, joten ne on toimitettava paikalliseen keräyspisteeseen.
3. Vanhan laitteen asianmukainen hävittäminen ehkäisee mahdollisia ympäristöön ja terveyteen kohdistuvia haittavaikutuksia.
4. Lisätietoa vanhan laitteen hävittämisestä saat ottamalla yhteyden paikallisiin viranomaisiin, kierrätyskeskukseen tai myymälään, josta ostit laitteen.

■■■ German

Entsorgung von Altgeräten

1. Wenn dieses Symbol eines durchgestrichenen Abfallimers auf einem Produkt angebracht ist, unterliegt dieses Produkt der europäischen Richtlinie 2002/96/EC.
2. Alle Elektro- und Elektronik-Altgeräte müssen getrennt vom Hausmüll über dafür staatlich vorgesehenen Stellen entsorgt werden.
3. Mit der ordnungsgemäßen Entsorgung des alten Geräts vermeiden Sie Umweltschäden und eine Gefährdung der persönlichen Gesundheit.
4. Weitere Informationen zur Entsorgung des alten Geräts erhalten Sie bei der Stadtverwaltung, beim Entsorgungsamt oder in dem Geschäft, wo Sie das Produkt erworben haben.

■■■ Danish

Sådan smider du dit gamle apparat ud

1. Når der er et tegn med et kryds over en skraldespand, betyder det, at produktet er omfattet af EU-direktiv 2002/96/EC.
2. Alle elektriske og elektroniske produkter skal smides ud et andet sted end gennem den kommunale affaldsordning ved hjælp af specielle indsamlingsfaciliteter, der er organiseret af staten

eller de lokale myndigheder.

3. Korrekt bortskaffelse af dit gamle apparat er med til at forhindre mulige skadevirkninger på miljøet og menneskelig sundhed.
4. Mere detaljerede oplysninger om bortskaffelse af dit gamle apparat kan fås ved at kontakte dit lokale kommunekontor, renovationselskab eller den butik, hvor du købte produktet.

■■■ Greek

Απόρριψη της παλιάς σας συσκευής

1. Όταν ένα προϊόν διαθέτει το δýmβολο ενός διαγραμμένου κάλαθου απορριμμάτων, τότε το προϊόν καλύπτεται από την Ευρωπαϊκή Οδηγία 2002/96/EOK.
2. Η απόρριψη όλων των ηλεκτρικών και ηλεκτρονικών προϊόντων πρέπει να γίνεται χωριστά από τα γενικά οικιακά απορρίμματα μέσω καθορισμένων εγκαταστάσεων συλλογής απορριμμάτων, οι οποίες έχουν δημιουργηθεί είτε από την κυβέρνηση ή από τις τοπικές αρχές.
3. Η σωστή απόρριψη της παλιάς σας συσκευής θα βοηθήσει στην αποτροπή πιθανών αρνητικών συνεπειών ως προς το περιβάλλον και την υγεία του ανθρώπου.
4. Για πιο λεπτομερείς πληροφορίες σχετικά με την απόρριψη της παλιάς σας συσκευής, επικοινωνήστε με το αρμόδιο τοπικό γραφείο, υπηρεσία διάθεσης οικιακών απορριμμάτων ή το μαγαζί από το οποίο αγοράσατε το προϊόν.

■■■ Spanish

Cómo deshacerse de aparatos eléctricos y electrónicos viejos

1. Si en un producto aparece el símbolo de un contenedor de basura tachado, significa que éste se acoge a la Directiva 2002/96/CE.
2. Todos los aparatos eléctricos o electrónicos se deben desechar de forma distinta del servicio municipal de recogida de basura, a través de puntos de recogida designados por el gobierno o las autoridades locales.
3. La correcta recogida y tratamiento de los dispositivos inservibles contribuye a evitar riesgos potenciales para el medio ambiente y la salud pública.
4. Para obtener más información sobre cómo deshacerse de sus aparatos eléctricos y electrónicos viejos, póngase en contacto con su ayuntamiento, el servicio de recogida de basuras o el establecimiento donde adquirió el producto.

Regulatory Information cont.

Portuguese

Eliminação do seu antigo aparelho

1. Quando este símbolo de latão cruzado estiver afixado a um produto, significa que o produto é abrangido pela Directiva Europeia 2002/96/EC.
2. Todos os produtos eléctricos e electrónicos devem ser eliminados separadamente do lixo doméstico através de pontos de recolha designados, facilitados pelo governo ou autoridades locais.
3. A eliminação correcta do seu aparelho antigo ajuda a evitar potenciais consequências negativas para o ambiente e para a saúde humana.
4. Para obter informações mais detalhadas acerca da eliminação do seu aparelho antigo, contacte as autoridades locais, um serviço de eliminação de resíduos ou a loja onde comprou o produto.

Slovak

Likvidácia váš ho starého prístroja

1. Keď sa na produkte nachádza tento symbol prečiarknutej smetnej nádoby s kolieskami, znamená to, že daný produkt vyhovuje európskej Smernici č. 2002/96/EC.
2. Všetky elektrické a elektronické produkty by mali byť zlikvidované oddelene od komunálneho odpadu prostredníctvom na to určených zberných zariadení, ktoré boli ustanovené vládou alebo orgánmi miestnej správy.
3. Správnu likvidáciu starých zariadení pomôžete predchádzať potenciálnym negatívnym následkom pre prostredie a ľudské zdravie.
4. Podrobnejšie informácie o likvidácii starých zariadení nájdete na miestnom úrade, v službe na likvidáciu odpadu alebo u predajcu, kde ste tento produkt zakúpili.

Czech

Likvidace starých spotřebičů

1. Pokud je u výrobku uveden symbol pojízdného kontejneru v přeškrtnutém poli, znamená to, že na výrobek se vztahuje směrnice Evropské unie číslo 2002/96/EC.
2. Všechny elektrické a elektronické výrobky by měly být likvidovány odděleně od běžného komunálního odpadu prostřednictvím sběrných zařízení zřízených za tímto účelem vládou nebo místní samosprávou.
3. Správný způsob likvidace starého elektrického spotřebiče pomáhá zamezit možným negativním dopadům na životní prostředí a zdraví.
4. Bližší informace o likvidaci starého spotřebiče získáte u místní samosprávy, ve sběrném zařízení nebo v obchodě, ve kterém jste výrobek zakoupili.

Croatian

Uklanjanje starog aparata

1. Ako se na proizvodu nalazi simbol prekrizene kante za smeće, to znači da je proizvod pokriven europskom direk-

tivom 2002/96/EC.

2. Električni i elektronski proizvodi ne smiju se odlagati zajedno s komunalnim otpadom, već u posebna odlagališta koja je odredila vlada ili lokalne vlasti.
3. Pravilno odlaganje starog proizvoda sprečiti će potencijalne negativne posljedice po okoliš i zdravlje ljudi.
4. Podrobnije informacije o odlaganju starog proizvoda potražite u gradskom uredu, službi za odlaganje otpada ili u trgovini u kojoj ste kupili proizvod.

Hungarian

Régi eszközök ártalmatlanítása

1. A termékhez csatolt áthúzott, kerekkes szeméttároló jel jelöli, hogy a termék a 2002/96/EC EU-direktíva hatálya alá esik.
2. Minden elektromos és elektronikai terméket a lakossági hulladéktól elkülönítve kell begyűjteni, a kormány vagy az önkormányzatok által kijelölt begyűjtő eszközök használatával.
3. Régi eszközeinek megfelelő ártalmatlanítása segíthet megelőzni az esetleges egészségre vagy környezetre ártalmas hatásokat.
4. Ha több információra van szüksége régi eszközeinek ártalmatlanításával kapcsolatban, tanulmányozza a vonatkozó környezetvédelmi szabályokat, vagy lépjen kapcsolatba az üzlettel, ahol a terméket vásárolta.

Polish

Utylizacja starych urządzeń

1. Kiedy do produktu dołączony jest niniejszy przekreślony symbol kołowego pojemnika na śmieci, oznacza to, że produkt jest objęty dyrektywą 2002/96/EC.
2. Wszystkie elektryczne i elektroniczne produkty powinny być utylizowane niezależnie od odpadów miejskich, z wykorzystaniem przeznaczonych do tego miejsc składowania wskazanych przez rząd lub miejscowe władze.
3. Właściwy sposób utylizacji starego urządzenia pomoże zapobiec potencjalnie negatywnemu wpływowi na zdrowie i środowisko.
4. Aby uzyskać więcej informacji o sposobach utylizacji starych urządzeń, należy skontaktować się z władzami lokalnymi, przedsiębiorstwem zajmującym się utylizacją odpadów lub sklepem, w którym produkt został kupiony.

■■■ Regulatory Information cont.

■ ■ ■ Estonian

Kasutuskõlbmatu seadme käitlemise kord

1. Kui seade on märgistatud selle elektri- ja elektroonikaseadmete lahuskogumist märgistava tähisega (ratastega prügikonteineri kujutis, millele on rist peale tõmmatud), tuleb toodet käidelda vastavalt Eurodirektiivile 2002/96/EÜ.
2. Elektri- ja elektroonikaseadmeid ei tohi visata tavalise prügi hulka. Nad kuuluvad lahuskogumisele selleks määratud kogumispunktides.
3. Kasutuskõlbmatu tervikseadme käitlemine tavaprügist lahus on korraldatud selleks, et vältida negatiivseid tagajärgi, mida põhjustaksid seadme osade purunemisel vabaneda võivad ohtlikud jäätmed loodusele või inimorganismile.
4. Täpsemat informatsiooni selle kohta, kuhu ja millal saab ära anda oma kasutamiskõlbmatu elektri- ja elektroonikaseadme, küsige kohalikult omavalitsuselt, prügifirmalt või kaupluselt, kust seadme ostsite.

■ ■ ■ Latvian

Vecās elektroierīces nodošana

1. Ja uz produkta ir simbols ar pārsvītrotu atkritumu tvertni, tas nozīmē, ka produkts ir iekļauts Eiropas direktīvā 2002/96/EC.
2. Visi elektriskie un elektroniskie produkti ir jāutilizē, nododot pašvaldības īpaši noteiktās pieņemšanas vietās. Tos nedrīkst izmest parastās municipalitātes atkritumu urnās.
3. Ievērojot prasības veco elektroierīču utilizēšanā, jūs pasargāsi apkārtējo vidi un cilvēku veselību no iespējami nelabvēlīgajām sekām, kādas varētu rasties, ierīcēm sadaloties nepiemērotā vietā.
4. Lai gūtu plašāku informāciju par veco ierīču utilizēšanas iespējām, sazinieties ar pilsētas pašvaldību, atkritumu savākšanas saimniecību vai veikalu, kurā ierīci iegādājāties.

■ ■ ■ Lithuanian

Senos įrangos atliekų tvarkymas

1. Užbrauktas konteinerio simbolis priverčia atkreipti dėmesį, kad įrangą saugo Europos direktyva 2002/96/EC.
2. Visos elektros ir elektroninės įrangos atliekos turi būti renkamos atskirai ir neišmetamos į atliekų konteinerį kartu su kitomis komunalinėmis atliekomis, taikant specialią atliekų surinkimo sistemą, patvirtintą vyriausybės ar vietos valdžios.
3. Teisingas senos įrangos atliekų tvarkymas, padės išvengti neigiamų pasekmių aplinkai ir žmonių sveikatai.
4. Dėl išsamesnės informacijos apie senos įrangos tvarkymą, prašome kreiptis į miesto valdžią, atliekų perdirbimo tarnybą arba parduotuvę, kurioje pirkote įrangą.