



OWNER'S MANUAL

LG CineBeam

DLP Projector

Please read the safety information carefully before using this product.

PH30N

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LICENSES

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NOTE

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

Open Source Software Notice Information

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

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

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

SAFETY PRECAUTIONS

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

Child injuries can be prevented by following these simple safety precautions.

The precautions should be followed in the same manner when you store or move your existing projector.

- Safety precautions are given in two forms, i.e., **WARNING** and **CAUTION** as detailed below.
 - ⚠ **WARNING:** Failure to follow the instructions may cause serious injury and even death.
 - ⚠ **CAUTION:** Failure to follow the instructions may cause personal injury or product damage.
- Read the owner's manual carefully and keep it on hand.



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 this device.

WARNING/CAUTION

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

Read these instructions. Keep these instructions.

Heed all warnings. Follow all instructions.

Indoor Installation

WARNING

Do not install products including projectors and remote controls in the following places:

- Any place exposed to direct sunlight;
 - Any humid place such as bathroom;
 - Any place near hot objects such as flammables and stoves;
 - Any place where oil, oil mist, and steam can reach such as a worktop or places near a humidifier;
 - Any place where water can splash like a vase or the aquarium;
 - Any place that is dusty or exposed to wind and rain;
 - Any place that is under the air conditioner or is directly exposed to the wind from the air conditioner;
 - Any place near flammable materials such as flammable sprays, etc.; or
 - Any cupboard, bookcase shelf or cabinet without a fixture installed and any place where a pet can access.
- It may cause an electric shock, fire, malfunction, deformation or falling.

Be careful not to fall or drop the projector when connecting an external device.

- It may cause injury or damage to the product.

Keep the following precautions in mind to prevent the temperature rise inside the projector:

- Install the air vents at least 30 cm (11.8 inches) away from the wall.
- Do not install the product in a place where it cannot be ventilated, such as on a bookcase or in a closet.
- Do not install the product on carpet or cushion.
- Make sure that the air vents are not blocked with tablecloths, curtains, etc.
- It may cause a fire.

For places where oil or oil mist can reach, do not install the product on a wall or ceiling.

- The product may be damaged and fall.

Do not allow a child to hang or climb on the installed projector.

- The projector may fall and cause injury or death.

When installing the product on the ceiling, observe the following precautions to prevent the projector from falling:

- Contact the Customer Support Center for installation.
- Tighten the product by using the mounting equipment and M4 x 8 mm (M6 x 10 mm, 1/4-20UNC x 5.5 mm) screws that are approved by a professional technician.
- Do not use adhesive, lubricant, oil, etc. when using the mounting equipment.
- Do not tighten the screws with an excessive force since the projector may fall due to breakage of the screw connection part. (the recommended torque: 5-8 kgf.cm (4.34-6.94 lbf-in))
- A failure to follow the precautions may result in injury or death and product damage due to the fall of the product.

 **CAUTION**

When moving the projector, be sure to turn off the power switch and disconnect the power plug, antenna cable and the connection cord between the devices.

- A failure to do so may cause damage to the projector or the cord, resulting in a fire or electric shock.

Do not install the projector on a shaky shelf, a slanted place, a place subject to vibrations, a place where the projector is not fully supported or on a fabric such as tablecloths.

- It may cause injury as the projector falls or tips over, or it may cause a malfunction of the projector.

To prevent damage to the power cord or plug, do not install the projector where the cord can be walked on.

- It may cause a fire or electric shock.

When installing the projector, do not install it too close to the wall.

- The cable connection may be deteriorated or the projector and its cables may be damaged.

When installing the projector on a cabinet or a shelf, make sure that the front end of the bottom of the projector does not come out.

- The projector may fall due to the unbalance of the center of gravity and cause injury to people or a malfunction.

When in Use

WARNING

When thunder or lightning strikes, unplug the power cord and do not touch the antenna wire.

- It may cause an electric shock.

If there is a gas leak from the gas lines, do not touch the outlet and be sure to vent by opening the window.

- Sparks may be caused and lead to a fire or burns.

When using the product with an external device such as a game console connected, keep the length of the connection line enough.

- The product may fall over and cause injury or product damage.

Do not scratch or give an impact on the projector with metallic materials or objects.

- It may cause injury to people or damage to the product.

Do not insert metallic objects including coins, hairpins or a piece of iron or flammable objects such as paper or matches into the projector.

- It may cause a fire or electric shock.

When replacing the batteries used for the remote control, be careful not to let children eat them and keep the batteries out of reach of children.

- If a child swallows the battery, consult a doctor immediately.

Keep the plastic wrapping of the product out of the reach of children.

- If a child misuses it, it may suffocate the child.

Do not touch near the vents during the operation or immediately after the power is turned off as they generate intense heat.

- The heat does not indicate a defect or a problem of the projector when it is operating so use it with confidence.

Do not look into the front of the lens when the projector is operating. Strong light is projected from the product which can cause injury to your eyes.

Never try to disassemble or modify the projector yourself. Always seek a qualified service technician or consult your dealer or local Service Center for inspection, adjustment or repairs.

- It may cause a fire or electric shock.

 **CAUTION**

Do not use any product that uses high voltage electricity near the projector. (e.g. An electric fly swatter)

- It may cause a malfunction.

Do not place any liquid containers such as a vase, pot, cup, cosmetics or medicine, decorations such as candles or any heavy objects on top of the projector.

- Doing so may cause a fire, electric shock and injury due to falling.

The surface of the AC adapter is hot, so be careful not to put the surface against your skin or let the children touch the surface during use. (Except for the models that do not use an adapter)

Do not hold or move the projector upside down by grabbing only the power cord, signal cable, or projection mirror.

- Doing so may damage the product or cause an electric shock or fire.

Even if the projector is turned off with the remote control or the button, the power is not completely cut off if the power cord is plugged in.

If you use headphones or earphones, do not use them at high volume or for a long period of time. (It applies only to the models that support headphones (earphones).)

- Doing so may damage your hearing.

Do not start the projector when the volume is high.

- A loud volume can cause hearing loss.

Do not use or store the projector outdoors for an extended period of time.

Do not touch the projector's lens or give an impact on it.

- It may cause damage to the product.

Do not block the light from the projector lens with a person, book or other objects.

- If the light from the projector shines on an object for a long time, it can cause fire due to the heat of such light. Also, the reflected light can heat the lens and cause damage to the projector.

Do not mix old and new batteries together.

- It may cause battery rupture or fire due to liquid leakage or may cause electrical shock.

When replacing the batteries, make sure that they are properly installed according to the polarities (+, -).

- Battery rupture or leakage may lead to fire, explosion, injury or contamination (damage) of the surrounding area.

Do not expose the batteries to direct sunlight, fireplace, electric heater, high temperature above 60 °C (140 °F), excessively humid places or excessive heat.

- It can cause an explosion or fire.

Do not throw or disassemble the battery.

- It can cause a fire and explosion due to battery damage.

Do not carelessly throw away old batteries.

- It can cause an explosion or fire. The disposal method may vary by country and region. Dispose of it in an appropriate manner.

Risk of fire or explosion if the battery is replaced by an incorrect type.

Power

WARNING

Make sure the power plug is securely plugged in to prevent it from shaking.

- If the connection is unstable, it may cause a fire.

Do not plug too many devices into one multi-power outlet.

- This may result in fire due to the power outlet overheating.

Do not insert a metal object such as chopsticks into the other end of the power plug while it is plugged into a wall outlet. Also, do not touch the power plug immediately after unplugging it from the outlet.

- It can cause an electric shock.

Connect the power plug to a grounded outlet or multi-tap. (Except for any device without ground connection)

- A failure to do so may cause an electric shock due to a malfunction or electrical short.

Never touch the power plug with wet hands.

- It may cause an electric shock.

Disconnect the power plug from the outlet when you are not using the projector for a long time or absent.

- Dust collects and may cause an electric shock and fire caused by a short circuit due to heat, ignition and insulation/degradation.

The Power Plug is the disconnecting device. In case of an emergency, the Power Plug must remain readily accessible.

If any of the following occurs, it could be a malfunction of the product, so you must immediately turn the projector off, unplug the power cord from the outlet, and contact the service center:

- When the product is damaged;
 - When the product fails;
 - When there is a foreign substance inside the product; or
 - When the product smokes or smells.
- It may cause a fire or electric shock.

 **CAUTION**

Do not unplug or plug the power plug from/in the outlet while the power switch is on. (Do not use the power plug as a switch.)

- It may cause a fire or malfunction.

When removing the AC adapter or power cord, be sure to hold the plug part.

- A failure to do so may cause a fire or damage to the product.

Do not damage the AC adapter, power cord or power plug, place heavy objects on them or give an impact on them.

- It may cause a fire, electric shock or damage to the product.

Attach the power cord and AC adapter connected to the projector in a way that they are fully seated.

- Poor contact can cause a malfunction of the product and fire.

If there is dust on the pin part of the power plug or the outlet, clean it thoroughly.

- It may cause a fire.

Keep the power cord away from heat sources.

- The coating of the cord may melt and cause a fire or electric shock.

Use only the authorized power cord or AC adapter supplied by LG Electronics.

Do not use any other products.

- It may cause a malfunction of the product, fire or electric shock.

Cleaning

⚠ WARNING

Do not spray water directly onto the projector when cleaning it.

- It may cause a fire or electric shock.

⚠ CAUTION

How to clean the projector

- Disconnect the plug from the outlet before cleaning.
- Do not wipe the optical system (the lens and mirror) immediately after the power is turned off.
- Do not spray the water with a sprayer on the product or wipe the product with a damp cloth.
- Wipe the product gently with a soft cloth.
- Do not use any detergents, automotive or industrial polishes, abrasives, waxes, benzenes or alcohols.
- It may cause a fire, electric shock or damage to the projector (deformation, corrosion, and breakage).

How to clean the lens

- Clean the lens if any dust or smudge appears on the surface of the lens.
- Clean the surface of the lens with an air sprayer or a soft, dry cloth.
- To remove dust or stains on the lens, use a compressed air duster, cotton swab, or soft cloth to gently wipe the lens.
- Never clean the lens when the projector is operating or immediately after the projector is turned off.
- Do not use any detergents, automotive or industrial polishes, abrasives, waxes, benzenes, alcohols, water, etc. on the lens, as they will damage the projector.

Consult your dealer or the service center for cleaning the interior of the product once a year.

- If you do not clean the interior of the projector for a long time while dust collects, it may cause a fire or malfunction.

PREPARATION

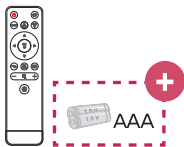
The pictures may differ slightly from the actual product.

Accessories

Accessories included with the projector are show below.

Accessories are subject to change without prior notice.

New accessories may be added or old ones removed.



Remote Control
Two AAA Batteries



Owner's Manual



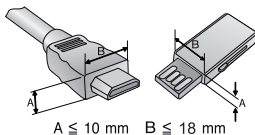
AC-DC Adaptor



Power cord

+ AAA: Due to the environment government regulations about import and batteries destruction in Colombia, projectors will not bring the batteries of remote control included.

- When connecting an HDMI or USB cable, or connecting a USB flash drive to the HDMI or USB port, use a product that has a width of 18 mm (0.7 inches) or less and a height of 10 mm (0.3 inches) or less. If the USB cable or USB flash drive does not fit the USB ports of the projector, use an extension cable that supports USB 2.0.



- Use a certified cable with the HDMI logo attached.
- If you do not use a certified HDMI cable, the screen may not display or a connection error may occur. (Recommended HDMI cable types)
 - Ultra High Speed HDMI®/™ Cable (3 m (9.8 feet) or less)

Optional Extras

To purchase optional accessories, visit an electronics store or online shopping site or contact the retail store where you purchased the product. Optional accessories are subject to change without prior notice.



Projection Screen

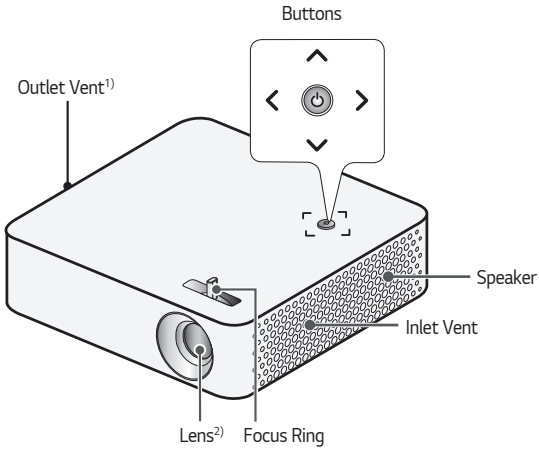


Tripod

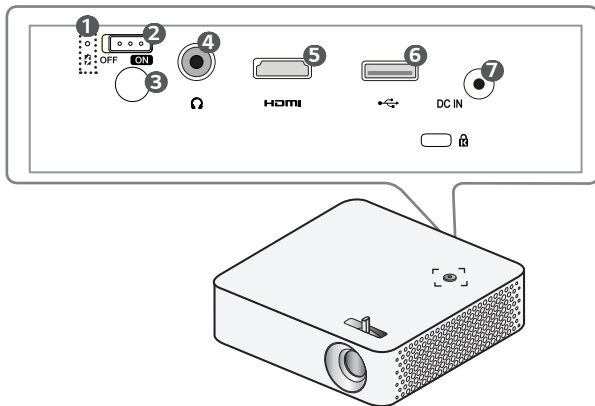


HDMI Cable

Parts and Components



- 1) Due to the high temperature of vent area, do not get close to the vent area.
- 2) Do not touch the lens when using the projector. The lens may be damaged. (Keep lens away from sharp objects.)



- 1** Battery Charge Indicator


 - Red: Charging
 - Green: Charging complete

- 2** **OFF/ON** Switch


 - **ON**: Turns the projector on and the projector goes into Standby mode.
 - **OFF**: Turns the projector off completely.

Place the switch to **OFF** when you move the projector or when you intend not to use the projector for long periods of time.

- 3** IR Receiver

- 4**  (Headphone Port)

- 5** **HDMI** Port

- 6**  (USB port)

- 7** **DC IN** Port

Using the Buttons

You can operate the projector by pressing the button.

Basic functions

**Power On**

Press the Power button once while the projector is off.

**Power Off
(Press and
Hold)**

Press and hold the Power button for a few seconds while the projector is on.

**Up/Down/
Left/Right**

Sets functions or moves the cursor.

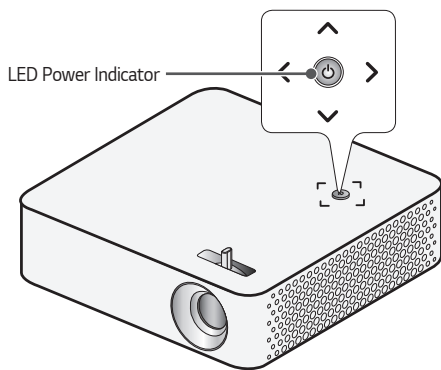
Adjusting the menu

Press the Power button once while the projector is on.

Press the top, bottom, left, and right buttons to move to a menu item. After moving to the desired menu item, press the Power button once to select it.

[MENU]	Displays the Settings menu.
[INPUT]	Changes the input source.
[POWER OFF]	Turns the power off.
[CLOSE]	Clears on-screen displays and returns to projector viewing.

Projector Status Indicators



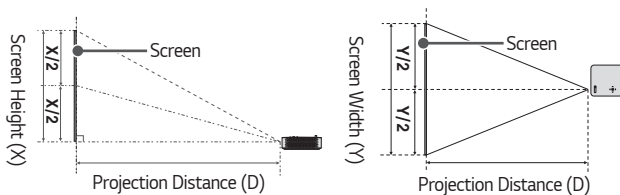
LED Power Indicator	
Red	Power standby state
Off	The projector is operating with the power on.

INSTALLATION

Projection Distance per Screen Size

- 1 Place the projector on a sturdy, level surface, together with the PC or audio/video source.
- 2 Place the projector an appropriate distance away from the screen. The distance between the projector and the screen determines the actual size of the image.
- 3 Position the projector so that the lens is at a right angle to the screen. If the projector is not at a right angle, the projected image will look distorted. To correct the distortion, use the Keystone function.
- 4 Connect the power cord of the projector and the connected device to the wall outlet.

Ratio of upward projection: 100 %



16:9 Aspect Ratio							
Screen Size		Screen Width (Y)		Screen Height (X)		Projection Distance (D)	
inches	mm	inches	mm	inches	mm	inches	mm
25	635	21.8	554	12.2	311	32.6	830
30	762	26.1	664	14.7	374	39.2	996
40	1016	34.8	886	19.6	498	52.2	1328
50	1270	43.5	1107	24.5	623	65.3	1660
60	1524	52.2	1328	29.4	747	78.4	1992
70	1778	61.0	1550	34.3	872	91.4	2324
80	2032	69.7	1771	39.2	996	104.6	2657
90	2286	78.4	1992	44.1	1121	117.6	2989
100	2540	87.1	2214	49.0	1245	130.7	3321

The projection distance may vary depending on the installation conditions.

! NOTE

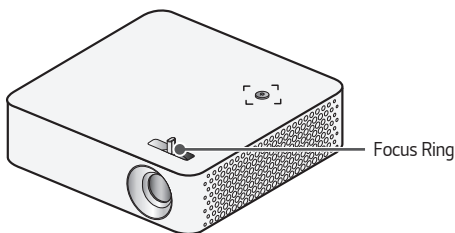
- If the projected image looks distorted or bent, check to see if the screen is installed properly.

Focus of the Screen Image

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

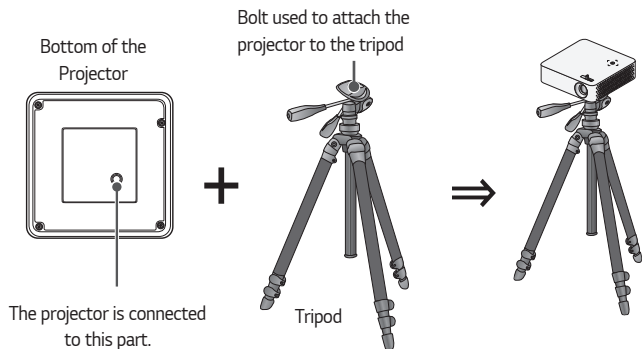
Adjust the focus of the image by rotating the Focus Ring to the left or right.

Make sure the product does not move when adjusting the focus.



How to Install the Projector On a Tripod

- You can install the projector using a camera tripod.
- As shown below, you can mount the projector instead of a camera on the tripod.
- When stabilizing the tripod, we recommend using a locking bolt of standard size 4.5 mm (0.1 inches) or less. The maximum size allowed for the locking bolt is 5.5 mm (0.2 inches). (If it is longer than the maximum allowed size, it may damage the projector.)



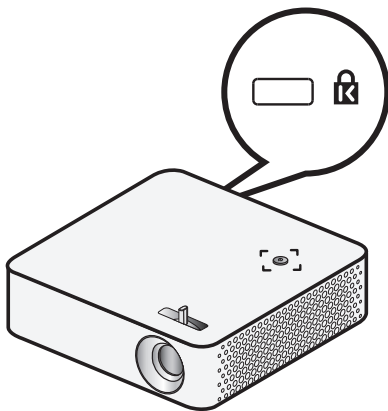
CAUTION

- If you are using a tripod, be careful not to apply external force to the tripod. Doing so may damage the projector.
- Do not place the tripod on an unstable surface.
- Be sure to use a tripod with a maximum load capacity of 3 kg (6.6 lbs) or more.
- To use the projector safely, position the tripod legs so that they are as wide and stable as possible and be sure to securely attach the projector to the tripod.

Kensington Security System

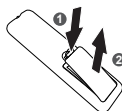
- This projector has a Kensington Security Standard connector as an anti-theft mechanism. Connect a Kensington Security System cable as shown below.
- For more information on installation and use of the Kensington Security System, refer to the user's guide provided with the Kensington Security System.
- The Kensington Security System is an optional accessory.
- What is Kensington?

Kensington is a company that provides safety systems for laptops and other electronic devices. Website: <http://www.kensington.com>



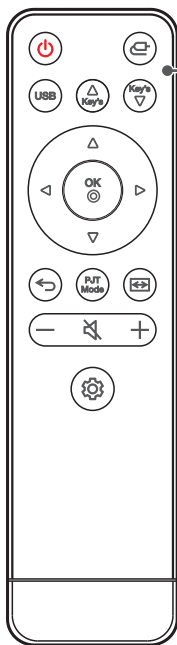
REMOTE CONTROL

Open the battery cover on the back of the remote control and insert the batteries which are specified in the battery room with \oplus/\ominus poles pointing in the correct direction. The new and same type of batteries (1.5 V AAA) must be used.



CAUTION

- Do not mix new batteries with old ones.



(POWER)

Turns the Projector on or off.

(INPUT)

Changes the input source.

USB

Accesses USB mode.



Adjusts the Keystone function.

Up/Down/Left/Right buttons

Sets the function or moves the cursor.

OK

Shows the current mode and saves changes to the settings.

(BACK)

Returns to the previous screen.

PJT Mode

Turns the projected image upside down or flips it horizontally.

(RATIO)

Resizes an image.

— + (Volume)

Adjusts the volume level.

(Mute)

Mutes all sounds.

(Settings)

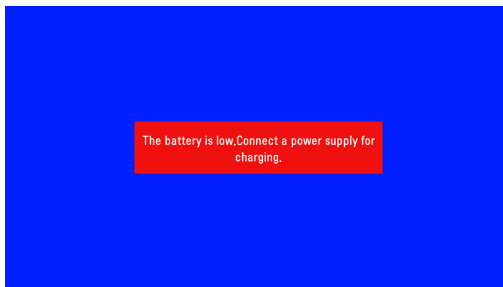
Displays or closes the Settings menu.

! NOTE

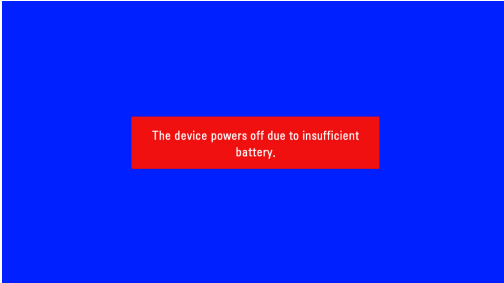
- When using the remote control, the optimal operation range is 6 meters (19.6 feet) or less (left/right) and within a 30 degree arc of the remote control IR receiver.
- If a cable is connected to the back port, the optimal operating range is 3 meters (9.8 feet) or less (left/right) and within a 30 degree arc of the remote control IR receiver.
- For seamless operation, do not block the IR receiver.
- When you carry the remote control in the portable bag, make sure that the buttons on the remote control are not pressed by the projector, cables, documents, or any other accessories in the bag. Otherwise, it may significantly reduce the battery life.

USING THE PROJECTOR

Using The Battery



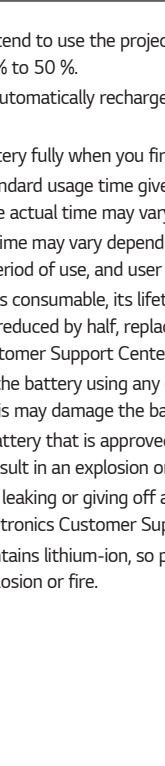
- It is displayed when the battery is low.
- If the screen shows a low battery message, be sure to charge the battery.



The device powers off due to insufficient battery.

- It is displayed when the battery is running out.
- As your battery is running out, the projector will turn off immediately.
- If the battery runs out, the projector can only be turned on after it has been connected to a power supply.

Battery using time information

Status	Time and Display
Charging	About 2 hours (When in standby and charging)
Usage Hours	Up to 2 hours (Available battery using time up to 2 hours when Energy Saving mode set to Max.)
Battery Level Indicator	 <p>Step 1 Step 2 Step 3 Step 4 Step 5 Full</p>

- If you do not intend to use the projector for a long time, leave the battery charged at 40 % to 50 %.
- The battery is automatically recharged when the projector is connected to a power supply.
- Charge the battery fully when you first use the projector.
- The battery standard usage time given in the manual is based on measurements taken by LG; the actual time may vary depending upon usage.
- Battery usage time may vary depending on broadcast type, operating temperature, period of use, and user preferences.
- As the battery is consumable, its lifetime gradually decreases. When the battery's life is reduced by half, replace it with a new battery from an LG Electronics Customer Support Center.
- Do not charge the battery using any equipment other than that supplied with the product. This may damage the battery or cause a fire.
- Always use a battery that is approved and certified by LG Electronics, Inc. Failure to do so may result in an explosion or fire.
- If the battery is leaking or giving off an odor, discontinue its use immediately and contact LG Electronics Customer Support Center.
- The battery contains lithium-ion, so please handle with care. Failure to do so may result in an explosion or fire.

- Do not store or transport at pressures lower than 11.6 kPa (1.68 psi) and at above 15 000 m (49212.5 feet) altitude.
- Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types).
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

CONNECTING DEVICES

You can connect various external devices to the projector.

Connecting with a HDMI Cable

Connect an HD receiver, DVD, PC, Notebook, or external devices to the projector and select an appropriate input mode.

With an HDMI cable, you can enjoy high quality picture and sound.

Using a HDMI cable, connect the **HDMI** port of the projector to the HDMI output port of the device to connect. Both video and audio are output at the same time.

-  (INPUT) → [HDMI]



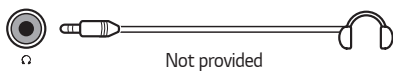
NOTE

Connecting a PC/ Notebook

- The projector supports Plug and Play. Your PC will automatically detect the projector and requires no driver installation.

Connecting Headphones

You can listen to the audio through a headphone.



Connecting a smart device (smartphone, tablet, etc.)

-  (INPUT) → [HDMI]
- The picture may look different from the actual product.

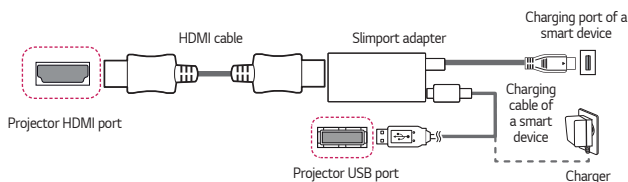
Connect a smart device to the projector using a cable¹⁾ and set the external input of the projector to HDMI. The picture from the smart device will then be displayed through the projector. You can connect with any HDMI input port.

For model-specific instructions regarding use of the wired connection, please check with the smart device manufacturer.

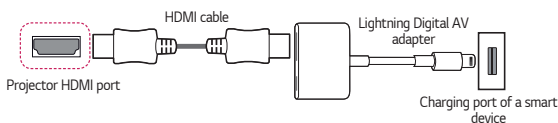
Supported smart devices may change depending on the circumstances of each manufacturer.

1) Examples of how to connect a cable to different smart devices (cable purchased separately).

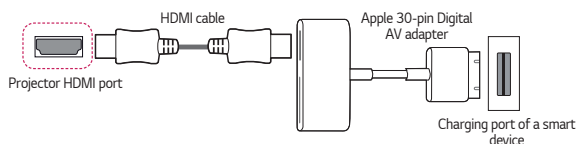
Slimport supported devices




Apple Lightning Digital AV adapter supported devices



Apple 30-pin Digital AV adapter supported devices



SPECIFICATIONS

MODEL	PH30N (PH30N-GL)	
Resolution (Pixel)	1280 (Horizontal) × 720 (Vertical)	
Aspect ratio	16:9 (Horizontal:Vertical)	
Projection distance – Screen Size	830 mm to 3321 mm (32.6 inches to 130.7 inches) – 635 mm to 2540 mm (25 inches to 100 inches)	
Ratio of upward projection	100 %	
Working range of the remote control	6 m (19.6 feet) (Max.)	
Power consumption	48 W	
AC-DC Adaptor	Manufacturer: APD	
	Model: DA-48F19	
	19 V  2.53 A (Adaptor Input 100-240 V @ 50/60 Hz)	
Audio Output	1 W	
Height	39.3 mm (1.5 inches)	
Width	129 mm (5.0 inches)	
Depth	129 mm (5.0 inches)	
Weight	513 g (1.1 lbs)	
USB Device	5 V, 0.5 A (Max.)	
Environment Condition	Temperature	
	Operation	0 °C to 40 °C (32 °F to 104 °F)
	Storage	-20 °C to 60 °C (-4 °F to 140 °F)
	Relative Humidity	
	Operation	0 % to 80 %
	Storage	0 % to 85 %

- Use only power supplies listed in the user instructions.
- Contents in this manual may be changed without prior notice due to upgrade of product functions.

HDMI (PC) Supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
640 x 350	31.468	70.09
720 x 400	31.469	70.08
640 x 480	31.469	59.94
800 x 600	37.879	60.31
1024 x 768	48.363	60.00
1152 x 864	54.348	60.053
1280 x 720	45.00	60
1280 x 1024	63.981	60.02
1440 x 900	55.935	59.888
1400 x 1050	65.317	59.979
1600 x 900	60	60
1680 x 1050	65.29	59.954
1920 x 1080	67.5	60

- If an invalid signal is input into the projector, it will not be displayed properly on the screen or a message such as [No Signal] will be displayed.
- The projector supports the DDC1/2B type as the Plug and Play function (Auto-recognition of PC monitor).
- It is recommended to set the resolution to 1280 x 720 and then set [Aspect Ratio] to [Just Scan] for the best picture quality in the PC mode.

HDMI (DTV) Supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
480p	31.47	60
	31.47	59.94
	31.50	60
720p	45.00	60.00
	44.96	59.94
1080i	33.75	60.00
	33.72	59.94
1080p	67.500	60
	67.432	59.939
	27.000	24.000
	26.97	23.976
	33.75	30.000
	33.71	29.97

- To provide the best picture quality, a 720p resolution is recommended.







Other specifications

Risk Group 2

CAUTION Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eye.

This label is attached to the bottom of the product and language may differ.

SYMBOLS

	Refers to alternating current (AC).
	Refers to direct current (DC).
	Refers to class II equipment.
	Refers to stand-by.
	Refers to "ON" (power).
	Refers to dangerous voltage.

TROUBLESHOOTING

Please check the list below when you experience the following symptoms during use of the product. It may not be a failure.



Checklist for Safety (please check a long-used projector for safety issues.)

Does your device have any of the following issues?

- The projector does not display anything on the screen or output sound when it is turned on.
- The product emits smoke or a burning smell.
- Water or foreign substances are present inside the product.
- Part of the projected image is cut out.
- A strange noise (crackling or sparking sound) regularly occurs from inside the projector.
- The projector still displays the screen or outputs sound when it is turned off.
- There are other errors or failures.

In this case, stop using the product.

- For safety, turn off the power switch and remove the plug from the socket.
- Contact the place of purchase or authorized service center for product inspection.
- Do not attempt to repair the product yourself.

Abnormal behavior

- There is a colored dot (bright dots, dark dots, stationary dots, and/or flickering dots) on the screen.
 - This projector was produced with high precision technology. However, a tiny dark or bright dot may appear on the screen. This is a common occurrence due to the production process, and it does not indicate a functional failure.
- The remote control may not work properly where a lamp with electronic stabilizer or a three-wavelength lamp is installed.
 - In this case, replace the lamp with electronic stabilizer or the three-wavelength lamp with international standard products to ensure the remote control works properly.

