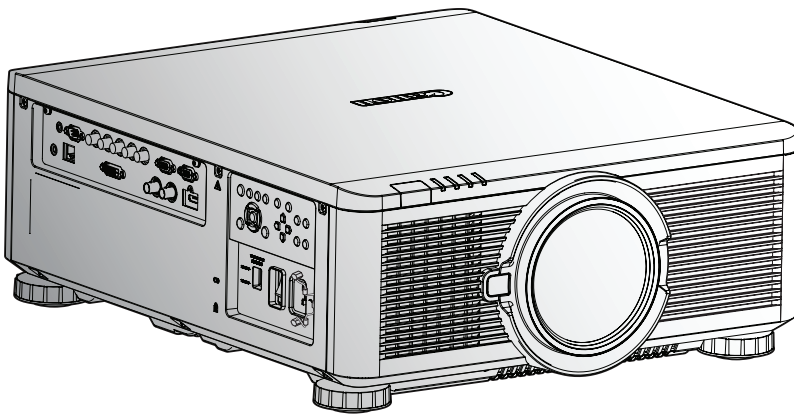


**Canon**

MULTIMEDIA PROJECTOR  
**LX-MU800Z / LX-MU600Z**  
**User's Manual**



**CHDBT**<sup>TM</sup>  
ASE

**HDMI**<sup>TM</sup>  
HIGH DEFINITION MULTIMEDIA INTERFACE

**CRESTRON**  
connected

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## Ensure Network Security

Take measures to ensure network security. Note that Canon is not liable in any way for direct or indirect loss from network security incidents, such as unauthorized access.

## Examples of Security Measures

- Use in an intranet environment.
- Assign a private IP address.
- Use behind a firewall.
- Change passwords regularly.

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### ◆ **Projector Installation Notice**

- Allow at least 50 cm clearance around the exhaust vent.
- Ensure that the intake vents do not recycle hot air from the exhaust vent.
- When operating the projector in an enclosed space, ensure that the surrounding air temperature within the enclosure does not exceed operation temperature while the projector is running, and the air intake and exhaust vents are unobstructed.
- Do not block the air intake or air outlet of the cooling fan. If the air intake or air outlet is blocked, heat cannot be released from inside the projector, which may cause malfunction.

### ◆ **Verify Installation Location**

- Turn on Altitude Mode when located in high altitude areas.
- When installation the bracket, make sure the weight limit is not exceed and firmly secured.
- Avoid installing at high temperature, insufficient cooling and heavy dust locations.
- Keep your product away from fluorescent lamps to avoid malfunction caused by IR interference.
- The power cord and signal cable should be connected before power on the projector. During the projector starting and operating process, DO NOT insert or remove the signal cable or the power cord to avoid damaging the projector.

### ◆ **Cooling notes**

#### **Exhaust vent**

- Exhaust vent location should not be in front of the lens of other projector to avoid causing illusions.
- Keep the exhaust vent at least 50 cm away from the inlets of other projectors.

#### **Air intake vent**

- Make sure there is no object blocking air intake vent within 30 cm.
- Keep the air intake vent away from other heat sources.
- Do not install the projector in a location that is damp, or where there is a lot of dust, oily smoke or tobacco smoke.

### ◆ **Power Safety**

- Only use the supplied power cord.
- Do not place anything on the power cord. Place the power cord where it will not be in the way of foot traffic.
- The wall outlet must be able to meet the power demands of the device.

### **About this manual**

This manual is intended for qualified technicians / end users and describes how to install and operate the DLP projector. Wherever possible, relevant information such as an illustration and its description has been kept on one page. It is suggested that you only print sections that are relevant to your needs.

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# Safety Instructions




Before installing and operating the projector, read this manual thoroughly.

This projector provides many convenient features and functions. Operating the projector properly enables you to manage those features and maintain it in good condition for many years to come.

Improper operation may result in not only shortening the product life, but also malfunctions, fire hazards, or other accidents.

If your projector does not seem to be operating properly, read this manual again, check operations and cable connections, and try the solutions in the “Troubleshooting” section in the user’s manual. If the problem still persists, contact the Canon Customer Support Center.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
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	THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.
	THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS FOR THIS UNIT IN THE USER’S MANUAL.
	THIS SYMBOL INDICATES THAT THERE IS A POTENTIAL HAZARD OF EYE EXPOSURE TO LASER RADIATION UNLESS THE INSTRUCTIONS ARE CLOSELY FOLLOWED.

<b>CAUTION</b> Not for use in a computer room as defined in the Standard for the Protection of Electronic Computer / Data Processing Equipment, ANSI / NFPA 75.
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## Safety Precautions

### WARNING:

- **THIS APPARATUS MUST BE GROUNDED.**
- **TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**
- This projector produces intense light from the projection lens. Do not stare directly into the lens, otherwise eye damage could result. Be especially careful that children do not stare directly into the beam.
- Install the projector in a proper position. Otherwise it may result in a fire hazard.
- Do not cover the ventilation slots on the projector. Heat build-up can reduce the service life of your projector, and can also be dangerous.
- If the projector is unused for an extended time, unplug the projector from the power outlet.
- Do not project the same image for a long time.

An afterimage may remain on the DMD panel due to the characteristics of the panel of the projector.

## Caution on Hanging from the Ceiling

When hanging the projector from the ceiling, clean the air intake vents and top of the projector periodically with a vacuum cleaner. If you leave the projector unclean for a long time, the cooling fans can be clogged with dust, and it may cause a breakdown or a trouble.

DO NOT SET THE PROJECTOR IN GREASY, WET, OR SMOKY CONDITIONS SUCH AS IN A KITCHEN TO PREVENT A BREAKDOWN OR A DISASTER. IF THE PROJECTOR COMES IN CONTACT WITH OIL OR CHEMICALS, IT MAY BECOME DETERIORATED.

## ◆ **READ AND KEEP THIS MANUAL FOR LATER USE.**

All the safety and operating instructions should be read before beginning to operate the product.

Read all of the instructions given here and retain them for later use. Unplug this projector from the AC power supply before cleaning. Do not use liquid or aerosol cleaners on the projector. Use a damp cloth for cleaning.

Follow all warnings and instructions marked on the projector.

For added protection of the projector during a lightning storm, or when it is left unattended or unused for long periods of time, unplug it from the wall outlet. This will prevent damage due to lightning and power surges.

Do not expose this unit to rain or use near water. For example, in a wet basement, near a swimming pool..., etc.

Do not use attachments not recommended by the manufacturer as they may result in hazards.

Do not place this projector on an unstable cart, stand, or table. The projector may fall, causing serious injury to a child or adult, and serious damage to the projector. Use only with a cart or stand recommended by the manufacturer, or sold with the projector. For wall or shelf mounting, use a tool such as a mounting kit to secure the projector.

An appliance and cart combination should be moved with care.

Sudden stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Slots and openings in the rear and front of the cabinet are provided for ventilation, to insure reliable operation of the equipment and to protect it from overheating.

The openings should never be covered with cloth or other materials, and the bottom opening should not be blocked by placing the projector on a bed, sofa, rug, or other similar surface. This projector should never be placed near or over a radiator or heat register.

This projector should not be placed in a built-in installation such as a book case unless proper ventilation is provided.



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Never push objects of any kind into this projector through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind onto the projector.

Do not install the projector near the ventilation duct of air-conditioning equipment.

This projector should be operated using only the type of power source indicated on the marking label. If you are not sure of the type of power supplied, contact the local power company.

Do not overload wall outlets and extension cords as this can result in fire or electric shock. Do not allow anything to rest on the power cord. Do not locate this projector where the cord may be damaged by people walking on it.

Do not attempt to service this projector yourself as opening or removing covers may expose you to dangerous voltages or other hazards. Refer all servicing to qualified service personnel.

Unplug this projector from the wall outlet and refer servicing to qualified service personnel under the following conditions:

1. When the power cord or plug is damaged or frayed.
2. If liquid has been spilled into the projector.
3. If the projector has been exposed to rain or water.
4. If the projector does not operate normally after following the operating instructions. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the projector to normal operating condition.
5. If the projector has been dropped or the cabinet has been damaged.
6. When the projector exhibits a distinct change in performance-this indicates a need for servicing.

When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or injury.

Upon completion of any service or repairs to this projector, ask the service technician to perform routine safety checks to determine that the projector is in safe operating condition.

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## Light Module

- A light module containing multiple laser diodes is equipped in the product as the light source.
- These laser diodes are sealed in the light module. No maintenance or service is required for the performance of the light module.
- End user is not allowed to replace the light module.
- Contact qualified distributor for light module replacement and further information.

## Laser Safety Precautions

- This Product is designated as IEC/EN60825-1: 2007 Class 3R during all procedures of operation.
- This Product is designated as IEC60825-1:2014 Class 1 during all procedures of operation.
- Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.
- This product is designed as IEC 62471-5:2015 Risk Group 2 during all procedures of operation.



**Caution:**

- *LASER LIGHT - AVOID DIRECT EYE EXPOSURE.*
- *Do not point laser or allow laser light to be directed or reflected toward other people or reflect objects.*
- *Direct or scattered light can be hazardous to eyes.*
- *There is a potential hazard of eye exposure to laser radiation if the included instructions as not followed.*
- *The Laser module is equipped in this product. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.*

Laser Parameters:

Blue Laser Diode Wavelength:	450nm - 460nm
Mode of Operation:	Pulsed, due to frame rate
Pulse width:	0.74ms
Pulse repetition rate:	240Hz
Maximum laser energy:	0.376mJ
Total internal power:	240W
Apparent source size:	>10mm, at lens stop
Divergence:	>100 mili Radian

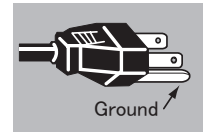
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## AC Power Cord Requirement

The AC Power Cord supplied with this projector meets the requirements for use in the country you purchased it.

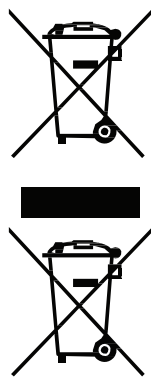
### AC Power Cord for the United States and Canada:

The AC Power Cord used in the United States and Canada is listed by the Underwriters Laboratories (UL) and certified by the Canadian Standard Association (CSA).



The AC Power Cord has a grounding-type AC line plug. This is a safety feature to ensure the plug fits into the power outlet. Do not try to tamper with this safety feature. Should you be unable to insert the plug into the outlet, contact your electrician.

### THE SOCKET-OUTLET SHOULD BE INSTALLED NEAR THE EQUIPMENT AND EASILY ACCESSIBLE.



#### Only for European Union and EEA (Norway, Iceland and Liechtenstein)

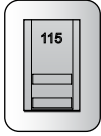
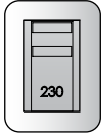
These symbols indicate that this product is not to be disposed of with your household waste, according to the WEEE Directive (2012/19/EU), the Battery Directive (2006/66/EC) and/or national legislation implementing those Directives. If a chemical symbol is printed beneath the symbol shown above, in accordance with the Battery Directive, this indicates that a heavy metal (Hg = Mercury, Cd = Cadmium, Pb = Lead) is present in this battery or accumulator at a concentration above an applicable threshold specified in the Battery Directive.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE) and batteries and accumulators. Improper handling of this type of waste could have a possible impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. Your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about the recycling of this product, please contact your local city office, waste authority, approved scheme or your household waste disposal service or visit <http://www.canon-europe.com/weee>, or <http://www.canon-europe.com/battery>.

## Voltage Selection

The VOLTAGE SELECT switch must be set to match the power supply you are using:

Voltage of Power Supply Used	Position of VOLTAGE SELECT switch
AC 100V Inlet For LX-MU800Z/LX-MU600Z (U) and LX-MU800Z/LX-MU600Z (J)	<p><b>VOLTAGE SELECT</b> 交流电压选择</p> <p>200-240 V~ 100-130 V~</p> 
AC 220V (single phase) Inlet For LX-MU800Z/LX-MU600Z (E) and LX-MU800Z/LX-MU600Z (CH)	<p><b>VOLTAGE SELECT</b> 交流电压选择</p> <p>200-240 V~ 100-130 V~</p> 

**Caution:**

*Improper selection of the switch could damage the projector.*

**Federal Communication Commission Notice**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

The cable with a ferrite core provided with the projector must be used with this equipment in order to comply with Class A of the FCC Rules.

Use of a shielded cable is required to comply with Class A of FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the instructions. If such changes or modifications should be made, you could be required to stop operation of the equipment.

**Warning:**

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

The cable with a ferrite core provided with the projector must be used with this equipment in order to comply with Class A.

Use of a shielded cable is required to comply with Class A.



# Product Labels

## Manufacturer's ID Label

LX-MU800Z

	<b>Canon DATA PROJECTOR</b> 佳能投影机 數據投影机 LX-MU800Z 100-130V~ 50/60Hz 9.5A CAN ICES-3 (A)/NMB-3(A) 100V~9.5A (P) CANON INC. 50/60Hz 15W PSE PROJECTOR E134786 DLT AL Japan VCCI CE ENEC ZU10002-16002 MSIP-REM-DVP-LX-MU800Z A/S 문의: 케노 코리아 컨슈머이미징부 1588-8133(한국) 제조사: Delta Video Display System (WUJIANG) Limited 제조국: 중국	APPARATEN SKALL ANSLUTAS TILL JORDAT UTTAG. APPARATET MÅ TILKOPLES JORDET STIKKONTAKT. LAITE ON LIITETTÄVÄ SUOJAKOSKETTIMILLA VARUSTETTUUN PISTORASIAAN. APPARATETS STIKKPROB SKAL TILSLUTTET EN STIKKONTAKT MED JORD, SOM GIVER FORBINDELSE TIL STIKKOPPENS JORD. 此产品必须连接地线插座。 주전원케이블을 접지된 콘센트에 꽂아 주십시오. 必ず接地線を接続してください。	3000 XXXX YB7-3187 CANON INC. MADE IN CHINA 
	200-240V~ 50/60Hz 4.5A 15W PSE PROJECTOR E134786 IS 13252 (Part 1) IEC 60950-1 R-41916187	<b>WARNING</b> ONLY QUALIFIED SERVICE PERSONNEL IS ALLOWED TO REMOVE THE MAIN BODY COVERS. CONTACT WITH VERY HOT AND HIGH-VOLTAGE INTERNAL PARTS CAN CAUSE SERIOUS INJURIES.	<b>警告</b> 只有合格的服务人员才能拆卸主体外壳。由于接触极热/极高压的内部部件，可能导致严重人身伤害。
	<b>AVERTISSEMENT</b> SEUL LE PERSONNEL DE MAINTENANCE QUALIFIÉ EST HABILITÉ À RETIRER LES BOITERS DE PROTECTION PRINCIPAUX. TOUT CONTACT AVEC LA PARTIE INTERNE TRÈS CHAUDES/SOUS HAUTE TENSION PEUT ENTRAÎNER DE GRAVES BLESSURES.	除服務人員外請勿擅自拆卸外殼。內部高溫、高電壓處多，不小心觸碰容易造成危險。	
	<b>WARNUNG</b> NUR QUALIFIZIERTE KUNDENDIENSTMITARBEITER DÜRFEN DIE HAUPTTEILE DES GEHÄUSES ENTFERNEN, BEI KONTAKT MIT DEM SEHR HEISSEN INNEREN HOCHSPANNUNGSTEIL KÖNNEN SIE SICH ERNSTER VERLETZUNGEN ZUZIEHEN.	<b>경고</b> 자격 있는 서비스 기사만 본체 커버를 제거할 수 있습니다. 초고온/초고압의 내부 부품과 접촉하면 심각한 부상을 입을 수 있습니다.	

LX-MU600Z

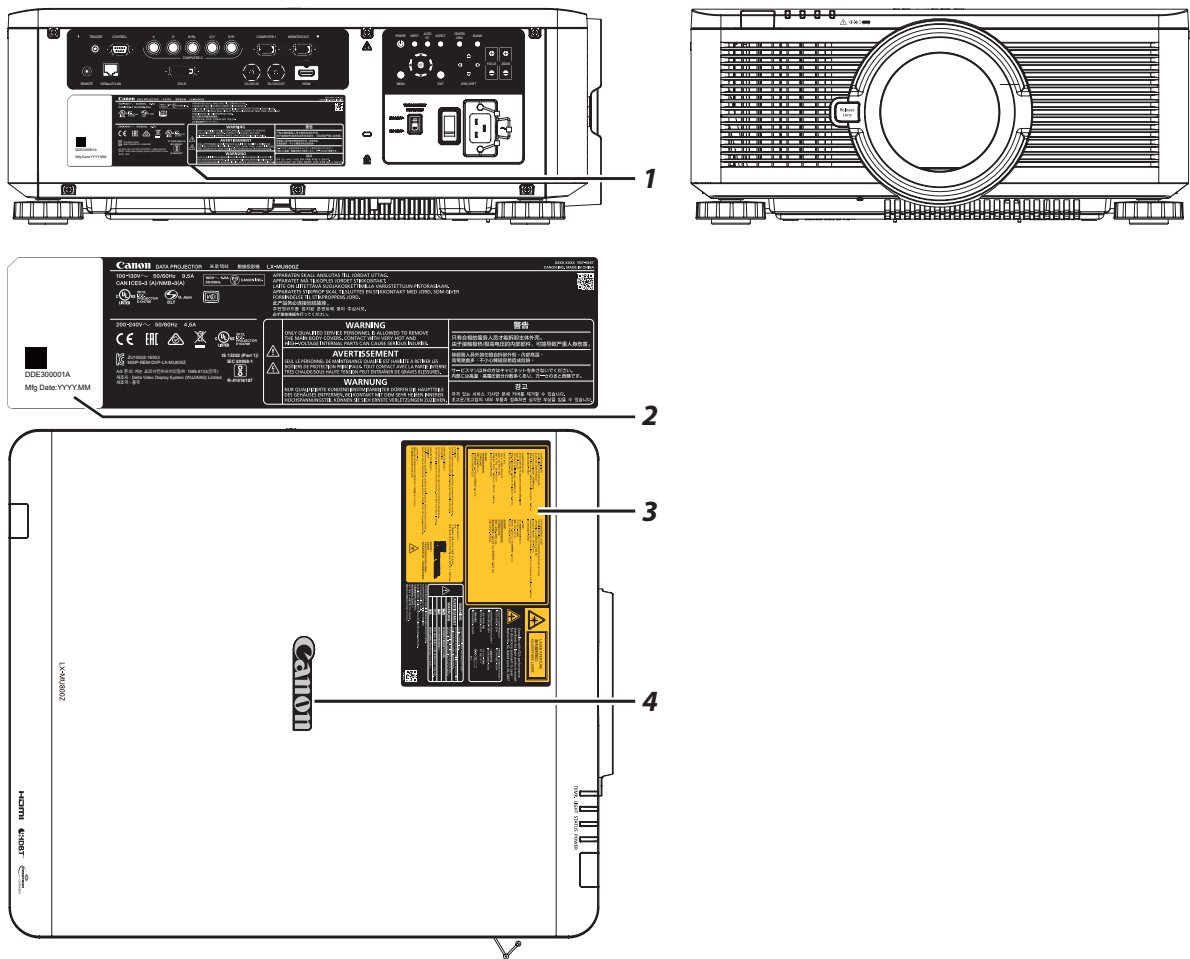
	<b>Canon DATA PROJECTOR</b> 佳能投影机 數據投影机 LX-MU600Z 100-130V~ 50/60Hz 9.5A CAN ICES-3 (A)/NMB-3(A) 100V~9.5A (P) CANON INC. 50/60Hz 15W PSE PROJECTOR E134786 DLT AL Japan VCCI CE ENEC ZU10002-16002 MSIP-REM-DVP-LX-MU600Z A/S 문의: 케노 코리아 컨슈머이미징부 1588-8133(한국) 제조사: Delta Video Display System (WUJIANG) Limited 제조국: 중국	APPARATEN SKALL ANSLUTAS TILL JORDAT UTTAG. APPARATET MÅ TILKOPLES JORDET STIKKONTAKT. LAITE ON LIITETTÄVÄ SUOJAKOSKETTIMILLA VARUSTETTUUN PISTORASIAAN. APPARATETS STIKKPROB SKAL TILSLUTTET EN STIKKONTAKT MED JORD, SOM GIVER FORBINDELSE TIL STIKKOPPENS JORD. 此产品必须连接地线插座。 주전원케이블을 접지된 콘센트에 꽂아 주십시오. 必ず接地線を接続してください。	3000 XXXX YB7-3183 CANON INC. MADE IN CHINA 
	200-240V~ 50/60Hz 4.5A 15W PSE PROJECTOR E134786 IS 13252 (Part 1) IEC 60950-1 R-41916187	<b>WARNING</b> ONLY QUALIFIED SERVICE PERSONNEL IS ALLOWED TO REMOVE THE MAIN BODY COVERS. CONTACT WITH VERY HOT AND HIGH-VOLTAGE INTERNAL PARTS CAN CAUSE SERIOUS INJURIES.	<b>警告</b> 只有合格的服务人员才能拆卸主体外壳。由于接触极热/极高压的内部部件，可能导致严重人身伤害。
	<b>AVERTISSEMENT</b> SEUL LE PERSONNEL DE MAINTENANCE QUALIFIÉ EST HABILITÉ À RETIRER LES BOITERS DE PROTECTION PRINCIPAUX. TOUT CONTACT AVEC LA PARTIE INTERNE TRÈS CHAUDES/SOUS HAUTE TENSION PEUT ENTRAÎNER DE GRAVES BLESSURES.	除服務人員外請勿擅自拆卸外殼。內部高溫、高電壓處多，不小心觸碰容易造成危險。	
	<b>WARNUNG</b> NUR QUALIFIZIERTE KUNDENDIENSTMITARBEITER DÜRFEN DIE HAUPTTEILE DES GEHÄUSES ENTFERNEN, BEI KONTAKT MIT DEM SEHR HEISSEN INNEREN HOCHSPANNUNGSTEIL KÖNNEN SIE SICH ERNSTER VERLETZUNGEN ZUZIEHEN.	<b>경고</b> 자격 있는 서비스 기사만 본체 커버를 제거할 수 있습니다. 초고온/초고압의 내부 부품과 접촉하면 심각한 부상을 입을 수 있습니다.	

## Hazard Warning Symbol, Aperture Label, Certification Statement Label and Explanatory Label

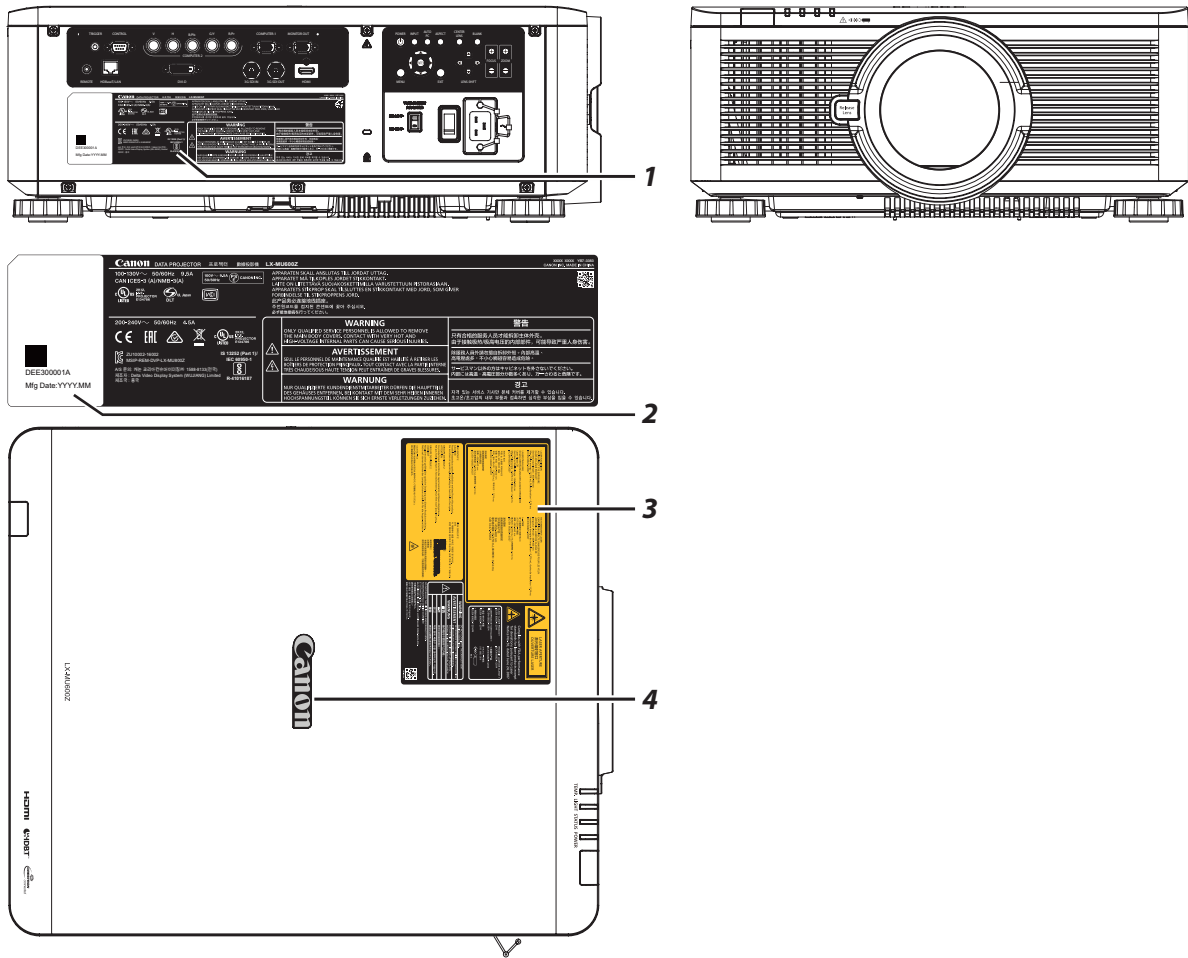
<p><b>LASER RADIATION</b>                  AVOID DIRECT EYE EXPOSURE                  CLASS 3R LASER PRODUCT                  Emitted wavelength: 450-460 nm                  Max. Pulse energy: 0.376 mJ, Pulse duration: 0.74 ms                  IEC/EN 60825-1:2007</p> <p><b>LASERSTRAHLUNG</b>                  Direkte BESTRAHLUNG DER AUGEN VERMEIDEN                  Laser Klasse 3R                  Emittierte Wellenlänge: 450-460 nm                  Max. Pulse energy: 0.376 mJ, Pulsdauer: 0.74 ms                  IEC/EN 60825-1:2007</p> <p>레이저 방사                  직접 눈 노출을 피하십시오.                  클래스 3R 레이저 제품                  방출된 파장: 450-460 nm                  최대 펄스 에너지: 0.376 mJ, 맥박내구: 0.74 ms                  IEC/EN 60825-1:2007</p> <p>激光辐射                  避免眼睛受到直接照射                  3R 類激光產品                  波長: 450-460 nm                  最大脈衝能量: 0.376 mJ, 脈衝時間: 0.74 ms                  IEC/EN 60825-1:2007</p>	<p><b>RAYONNEMENT LASER</b>                  EXPOSITION DIRECTE DANGEREUSE POUR LES YEUX                  APPAREIL À LASER DE CLASSE 3R                  longueur d'onde: 450-460 nm                  maximum energie de impulsion: 0.376 mJ, durée de impulsion: 0.74 ms                  IEC/EN 60825-1:2007</p> <p>레이저放射                  目への直接照射を避けること                  クラス3Rレーザ製品                  波長: 450-460 nm                  最大出力: 0.376 mJ, /パルス持続時間: 0.74 ms                  IEC/EN 60825-1:2007</p> <p>激光辐射                  避免眼睛受到直接照射                  3R 类激光产品                  波長: 450-460 nm                  最大脉冲能量: 0.376 mJ, 脉冲时间: 0.74 ms                  GB 7247.1-2012</p>	<p><b>LASER APERTURE</b>                  激光辐射窗口                  OUVERTURE LASER</p> <p>Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007</p> <p>CLASS 1 LASER PRODUCT IEC/EN 60825-1:2014                  PRODUIT LASER DE CLASSE 1 IEC/EN 60825-1:2014</p> <p>LASERPRODUKT DER KLASSE 1 IEC/EN 60825-1:2014                  1 类激光产品 IEC/EN 60825-1:2014</p> <p>1 등급 레이저 제품 IEC/EN 60825-1:2014                  クラス1レーザ製品 JIS C 6802: 2014</p> <p>1 類激光產品 IEC/EN 60825-1:2014年  </p>
<p><b>RISK GROUP 2</b>                  CAUTION                  Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eyes.</p> <p><b>GROUP 2 DE RISQUE 2</b>                  ATTENTION                  Ce produit peut émettre des rayonnements optiques dangereux. Ne pas fixer la lampe en fonctionnement. Peut être nocif pour les yeux.</p> <p><b>GRUPE DE RISQUE 2</b>                  VORSICHT                  Möglicherweise gefährliche optische Strahlung von diesem Produkt emittiert. Nicht auf starren Betrieb der Lampe. Es kann schädlich für die Augen emittiert.</p> <p>リスクグループ 2                  製品から強い光が放射されるため、動作中のランプを凝視しないでください。目に悪影響を与えるおそれがあります。</p>	<p><b>RISK GROUP 2</b>                  주의                  이 제품에서 방출 아마도 위험한 광 방사선. 운영 램프에 응시하지 마십시오. 눈에 유해 할 수 있습니다.</p> <p><b>风险组别 2</b>                  注意事項                  本产品可能会发出有害的辐射。请勿直视投影机。可能会损伤眼睛。</p> <p><b>風險等級 2</b>                  注意事項                  本產品可能會發出有害的光學輻射。請勿直視投影光線。可能會損傷您的眼睛。</p>	<p><b>WARNING</b>                  DO NOT LOOK INTO THE EXHAUST VENT DURING OPERATION.</p> <p><b>AVERTISSEMENT</b>                  NE REGARDEZ PAS PAR L'ORIFICE D'ÉVACUATION D'AIR DURANT LE FONCTIONNEMENT.</p> <p><b>WARNUNG</b>                  SCHAUEN SIE NICHT IN DEN LUFTAUSSLASS, WENN SIE DIESE OPERATION DURCHFÜHREN</p> <p><b>警告</b>                  操作期间不要朝排气口内看。</p> <p><b>警告</b>                  使用中請勿窺視排氣口。</p> <p><b>경고</b>                  작동 중에 배출구 안을 들여다보지 마십시오.</p> <p><b>警告</b>                  使用中は排氣口をのぞかないでください。</p> <p>DO NOT BLOCK THE AIR INTAKE AND EXHAUST VENT. N'OBSTRUEZ PAS L'ORIFICE D'ARRIVÉE ET D'ÉVACUATION D'AIR. BLOCKIEREN SIE NICHT DEN LUFTENLASS ODER-AUSLASS. 不要堵塞进气口和排气口。請勿堵塞吸氣口及排氣口。 공기 흡입 및 배출구를 막지 마십시오. 吸氣口および排氣口をふさがしないでください。</p>

## ◆ Label Locations

LX-MU800Z



Item	Description
1	Manufacturer's ID Label on the body of the projector.
2	Serial number and the date of production Label on the body of the projector.
3	Certification Statement Label and Caution Label on the body of the projector.
4	Brand Name Plate Label on the body of the projector.



Item	Description
1	Manufacturer's ID Label on the body of the projector.
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4	Brand Name Plate Label on the body of the projector.

---

## Safety Symbols in this Manual

This section describes the safety symbols used in this manual. Important projector safety information is identified by the following symbols. Always observe the safety information by these symbols.



**Warning**

Denotes the risk of death or serious injury from improper handling if the information is not observed. To ensure safe use, always observe this information.



**Caution**

Denotes the risk of injury from improper handling if the information is not observed. To ensure safe use, always observe this information.

---

## Precautions for Use

As this section contains important safety-related information, be sure to read the following carefully beforehand in order to use your projector correctly and safely.

### Warning

During installation, keep the projector plug easily accessible so that the projector can be unplugged immediately if necessary, or keep a circuit breaker within reach.

If the following situations occur, turn the power off, remove the power plug from the power outlet and contact the Canon Customer Support Center. Failure to do so could cause a fire or result in an electric shock.

- If smoke is emitted
- If an unusual smell or noise is emitted
- If water or other liquid has entered the projector
- If metal or any other foreign material has entered the projector
- If the projector is knocked over or dropped and the cabinet is damaged

Pay attention to the following points for handling the power cord. Failure to do so may cause a fire, electric shock or personal injury.

- Do not place any objects on the power cord and do not allow it to become trapped under the projector.
- Do not cover the power cord with a carpet.
- Do not modify or excessively bend, twist, pull, wind, or bundle the power cord.
- Keep the power cord away from heaters and other sources of heat.
- Do not use a damaged power cord. If the power cord is damaged, purchase a replacement from your dealer.
- The power cord included with this projector is for use exclusively with this product. Do not use this cord for other products.
- Be sure to connect the ground wire of the power cord to ground.
- Be sure to connect the ground wire before connecting the power plug to the outlet. Also when you disconnect the ground wire, be sure to unplug the power plug from the outlet beforehand.



## Warning

Pay attention to the following points regarding the power source, power plug and handling of the connector. Failure to do so may cause a fire, electric shock or personal injury.

- Do not use any power source with a voltage other than the voltage indicated (AC 100–240 V).
- Do not pull the power cord and be sure to hold the power plug or connector when removing. Incorrect handling may damage the power cord.
- Do not insert any metal objects into the contact parts of the power plug or connector.
- Do not remove the power plug or connector with wet hands.
- Insert the power plug and connector securely up to the base. Additionally, do not use a damaged power plug or an outlet that is loose.
- When using an extension cord, do not exceed the cord's rated capacity.
- Periodically inspect the power plug and outlet and remove any dust or dirt from between the plug and the outlet.

### Installation and Handling Precautions

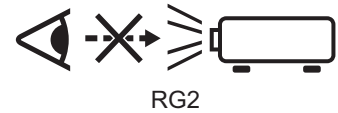
Pay attention to the following points regarding installation and handling of the projector. Failure to do so may cause a fire, electric shock or personal injury.

- Do not use the projector where it might get wet, such as outdoors or by bathtubs or showers.
- Do not place containers containing a liquid on top of the projector.
- Do not touch the projector itself, the power cord, or the cable if lightening strikes.
- Do not move the projector until you have switched off the power, removed the power plug from the power outlet and unplugged any other cables.
- Unplug the projector before cleaning or maintenance.
- Before installing or replacing a lens unit, make sure to remove the power plug from the outlet. Failure to do so could result in an electric shock or injury.

## Warning

Pay attention to the following points regarding installation and handling of the projector. Failure to do so may cause a fire, electric shock or personal injury.

- Do not remove the cabinet from the projector or disassemble it. The interior of the projector contains high-voltage components as well as parts that are hot. If inspection, maintenance or repair is required, contact the Canon Customer Support Center.
- Do not disassemble or modify the projector or the remote control.
- Do not look directly into the exhaust vents during use.
- Do not insert any object into vents in the projector, such as the air intake vent or exhaust vents.
- Do not place a pressurized can in front of the exhaust vents. The pressure of the contents of the can may increase due to heat from the exhaust vents and this could result in an explosion.
- Using the lens shift function the lens in the projector moves up / down / left / right powered by a motor. Do not touch the lens when the lens is moving. Doing so could cause a personal injury.
- Before replacing the lens unit, make sure the projector is turned off to allow the projector to cool thoroughly. Failure to do so could result in a burn or injury.
- When cleaning off dust or dirt from the projector lens etc., do not use any kind of spray that is flammable.
- As strong light beams are emitted while the projector is in use, do not look directly into the projector lens. Doing so could cause an eye injury. Pay particular attention to prevent small children from doing so.
- When setting the projector on a high surface for projection, be sure the surface is flat and stable.
- For ceiling mounting precautions, refer to the installation manual included with the ceiling mount (sold separately).
- When hanging the projector from a ceiling, put the projector down on the floor or a workbench before attaching or replacing the lens unit. Failure to do so could result in parts falling off the projector and may cause an accident or personal injury.



## Warning

### Precautions for the Batteries of the Remote Control

Pay attention to the following points regarding handling of batteries. Failing to do so could result in a fire or personal injury.

- Do not heat, short circuit or disassemble the batteries, or place them in a fire.
- Do not attempt to recharge the batteries that are included with the remote control.
- Remove the batteries when they are flat or when the remote control will not be used for a long period of time.
- When replacing the batteries, replace both at the same time. Also, do not use two batteries of a different type at the same time.
- Insert the batteries with the + and - terminals in the correct directions.
- If any liquid from inside the batteries leaks out and contacts your skin, be sure to wash the liquid off thoroughly.

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 **Caution**

Pay attention to the following points regarding installation and handling of the projector.

- If the projector will not be used for a long period of time, be sure to remove the power plug from the power outlet to ensure safety. Failure to do so presents a risk of fire if dust accumulates on the plug or outlet.
- Parts of the cabinet around and above the exhaust vents may become hot during projection. Touching these areas during operation could cause burns to the hands. Pay particular attention in preventing young children from touching these parts. Additionally, do not place any metal objects around or above the exhaust vents. Due to the heat from the projector, doing so could cause an accident or personal injury.
- Do not place the projector where it may be exposed to oily smoke or steam, such as near kitchen counters or humidifiers. Doing so may cause fire or electric shock.
- Do not place any heavy objects on top of the projector or sit / stand on it. Pay particular attention to prevent small children from doing so. The projector may be knocked over and this could result in damage or a personal injury.
- Do not place the projector on an unstable or slanted surface. Doing so may cause the projector to fall or be knocked over and could result in a personal injury.
- Do not place any objects in front of the lens during projection. Doing so could cause a fire.
- Presenters in front of the projector should stand where the light does not seem too bright, and where their shadow does not fall on the screen.

### Caution for Viewing 3D Content

 **Caution**

Pay attention to the following points when viewing 3D content.

- Photosensitive patients, patients with heart disease, pregnant women, elderly people, and people with serious illness and/or with a history of epilepsy should not view 3D content.
- We advise that you should refrain from viewing 3D content if you are in bad physical condition, need sleep or have been drinking alcohol.
- Stop watching 3D content if you experience the following symptoms. If you experience such symptom, immediately stop viewing 3D content and take a break until the symptom has subsided.
  - You see doubly-blurred images or you cannot view the image stereoscopically.
  - You feel fatigue or discomfort.
- Take breaks when viewing 3D content for an extended period of time. As this may cause eye fatigue. Viewing 3D content for an extended period of time or viewing them from an oblique angle can cause eye strain.
- Parents should accompany and monitor their children as children cannot properly express discomfort with 3D content viewing. Children who are six year of age or younger should not view 3D content.
- The optimum 3D viewing distance from the screen is about 3 times of the vertical screen size or more and your eyes should be level with the screen.



## Caution

Pay attention to the following points when carrying or transporting the projector.

- This projector is a precision instrument. Do not knock it over or subject it to impacts. Doing so may cause a malfunction.
- When carrying or holding up the projector after attaching the lens unit, be sure not to hold the lens. Doing so may cause damage to the lens unit.
- Protection of the projector cannot be guaranteed if used packaging or shock-absorbent materials are reused. Fragments from shock-absorbent material may also enter the interior of the projector which could cause a malfunction.
- If transportation is necessary, the lens unit should be removed before transporting the projector. If the projector is subjected to excessive impacts during transportation, the lens unit may be damaged. Removal and installation of the lens unit should not be performed by the user. Be sure to have the procedure performed by a qualified technician or contact the Canon Customer Support Center.
- Disconnect the cables connected to the projector. Carrying the projector while the cables are attached may cause an accident.
- Retract the adjustable feet before moving the projector. Leaving the feet extended may cause damage.
- Do not carry or move the projector alone. Have at least one assistant.

## Caution

Pay attention to the following points when installing or using the projector.

- Do not touch the lens with bare hands. Doing so may result in deterioration of image quality.
- If the projector is abruptly taken from a cool to a warm location, condensation may form on the lens or mirrors, which may cause a blurred image. Wait until the condensation has evaporated for the image projected to return to normal.
- Do not install the projector in a location where the temperature is high or low. Doing so may cause a malfunction. For guidelines on operating temperatures, see “Product Specifications”.
- Do not place any objects on top of the projector that may change shape or color due to heat.
- Do not install the projector near high-voltage electrical power lines or an electrical power source.
- Do not use the projector on a soft surface such as carpet or sponge mat, etc. Doing so could cause heat to build up inside the projector and this could result in a malfunction.
- Do not block the air intake or exhaust vents of the cooling fan.
- Installing the projector in the wrong direction may cause a malfunction or accident. Do not install the projector with one side raised, or with the projector tilted toward the left or right.
- Install the projector with sufficient space between air intakes and exhaust vents and walls. Failure to do so could cause a malfunction.
- Do not install the projector in a location that is damp, or where there is a lot of dust, oily smoke or tobacco smoke. Doing so could cause contamination of optical components such as the lens and the mirror and may result in deterioration of image quality.
- During projection, do not place anything directly in front of the lens. Doing so may cause burns or a fire. In addition, it may cause the projector to malfunction. To temporarily stop image, please use the **BLANK** function on the projector. See “**BLANK**” on page 21.



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## Caution for Ceiling Attachment



### Warning

Make sure the followings when you install and handle the ceiling attachment. Otherwise, it may result in fire, electric shock or injury.

- Make sure to prepare stable scaffolding when installing the ceiling attachment.
- Make sure to fully insert the power plug and connectors when connecting the projector. Never use a damaged plug or loosen outlet.
- Make sure to tighten screws for the ceiling attachment securely and never loosen or remove them.
- Never look into a lens when adjusting the projection because a high-intensity light is projected from the projector. It may result in eye damage.
- During projection, never put an object in front of the projector's lens.



### Caution

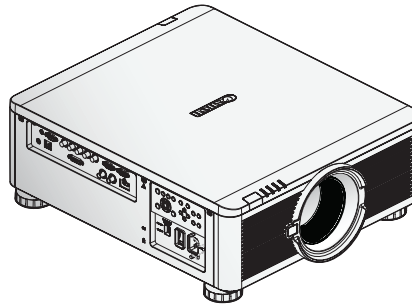
Make sure the followings when you install and handle the ceiling attachment.

- Make sure to ask the Canon Customer Support Center if you want to install the ceiling attachment. An inappropriate installation may cause an accident.

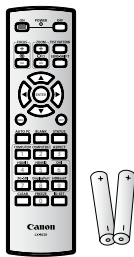
# Getting Started

## Packing Checklist

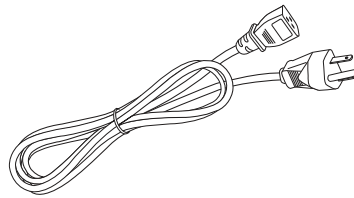
Check that the following items are included:



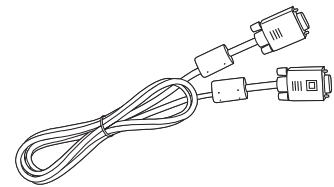
Projector



Remote Control  
(with two AA batteries)  
(LX-RC01)



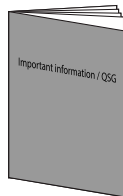
Power Cord (2.5M/8.2 ft)



Computer Cable (1.8M/5.9 ft)  
(mini D-sub 15-pin/  
mini D-sub 15-pin)



CD-ROM  
(This User's manual)



Important Information



Warranty Card



Anti-theft Screw for Lens  
M4 x 0.7 x 70 mm



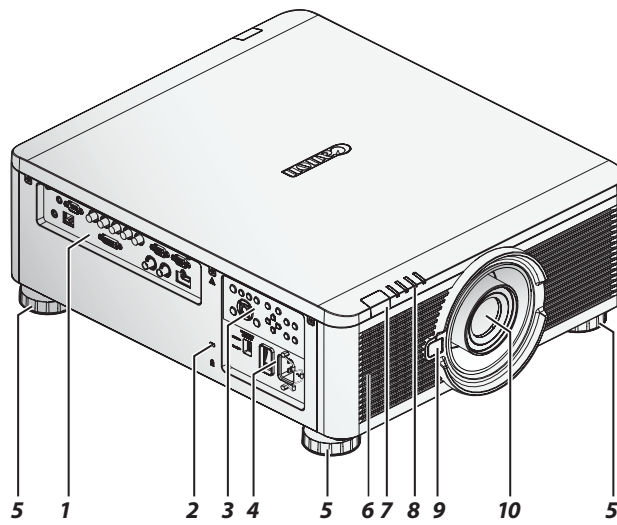
Dust Cap

Contact your dealer immediately if any items are missing, appear damaged, or if the unit does not work. It is recommend that you keep the original packing material should you ever need to return the equipment for warranty service.

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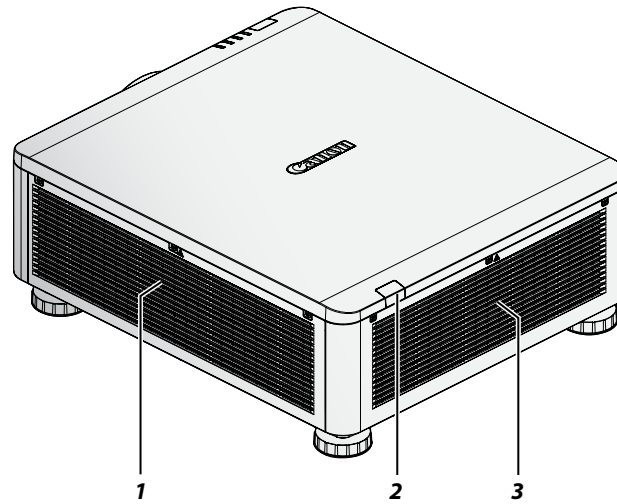
## Views of Projector Parts

### Front View



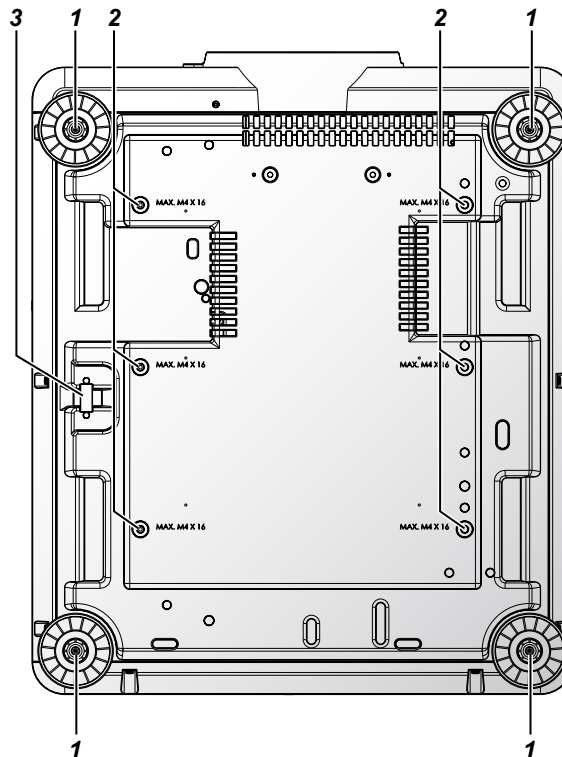
Item	Label	Description
1	Terminals	Use to connect to other devices.
2	Kensington Lock	Secure to permanent object with a Kensington® Lock system.
3	Control Panel	Use buttons to select or adjust the settings of the projector.
4	Power Panel	Insert power cord to supply electrical power or select the input voltage. See “ <a href="#">Voltage Selection</a> ” on page 6.
5	Adjusting Feet	There are 4 adjust foots for adjust the levelness of projection angle.
6	Air Intake Vent	Take in air to cool the projector.
7	Front IR Receiver	Receives IR signal from remote control.
8	LED Indicators	Shows the status of the projector.
9	Lens Release Button	Push to change the projector lens.
10	Lens	Projection lens. (Optional)

Rear View



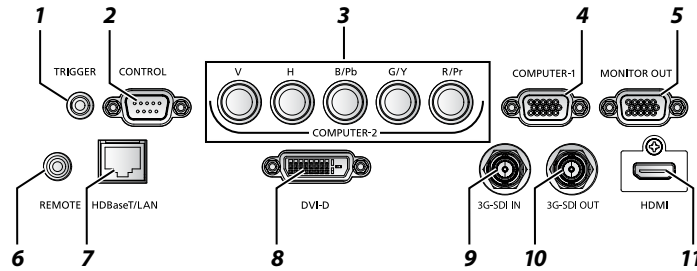
Item	Label	Description
1	Air Intake Vent	Take in air to cool the projector.
2	Rear IR Receiver	Receives IR signal from remote control.
3	Exhaust Vent	Heat is discharged from the projector via the exhaust.

Bottom View



Item	Label	Description
1	Adjusting Feet	Adjust the levelness the projection angle.
2	Fixture Screw Holes	There are six fixture screw holes (M4 x 0.7 x 16mm) at the bottom of projector for ceiling mounting.
3	Security Bar	An anti-theft wire cable (not included) can be connected.

## Terminals

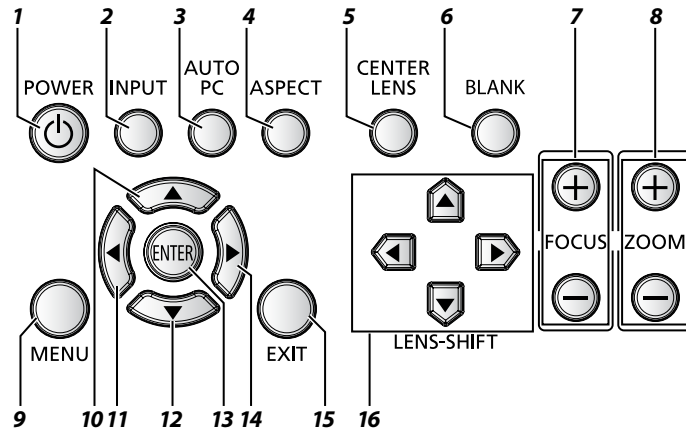


Item	Label	Description
1	TRIGGER	Provide 12V (+/- 1.5) output for screen operation.
2	CONTROL	Connect to the PC for system maintenance , projector maintenance and user commands.
3	COMPUTER-2	Receives the analog PC signal (Analog PC-2). Connect BNC-type input connectors to the RGB or YPbPr/YCbCr output signal video equipment.
4	COMPUTER-1	Receives the analog PC signal. Connect the D-sub 15pin input connector to the RGB output signal.
5	MONITOR-OUT	Outputs an analog RGB signal (COMPUTER-1) to display an image on an external monitor.
6	REMOTE	This terminal is used to connect the optional remote control using a cable. Connect a 3.5 mm jack from a wired remote.
7	HDBaseT/LAN*	Receives HDBaseT input including digital video and audio signals. A LAN cable (shielded twisted pair of CAT5e or higher) can be used for video input. Connects the LAN cable. Used to connect the projector to a network. However, the sound does not come out of the projector.
8	DVI-D	Receives digital PC signal (with DVI-D digital PC).
9	3G-SDI IN	Receives SDI signal.
10	3G-SDI OUT	Outputs a signal connected with SDI IN terminal.
11	HDMI	Receives digital video signals (HDMI).

### \* Notes on HDBaseT

- Use a shielded cable rated at CAT5e or higher.
- Maximum transmission distance is 100 m.  
However, maximum transmission distance may be shorter in some environments.
- Do not use the LAN cable when it is coiled or bundled.
- Inserting or removing the LAN cable during projection may cause noise.
- Connectivity with all HDBaseT transmitters on the market is not guaranteed.
- Some HDBaseT transmitters may not enable correct projection when used to connect source equipment to the projector.

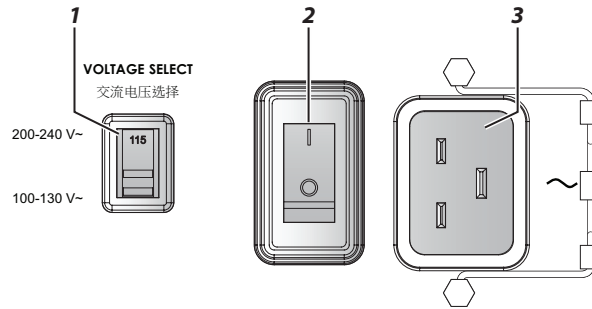
## Control Panel



Item	Label	Description
1	POWER	Press to turn on or off the projector.
2	INPUT	Press to select the input signal.
3	AUTO PC	Press to initiate the automatic synchronization procedure in accordance with the signal from a computer when the analog PC input is selected.
4	ASPECT	Press to change the aspect ratio mode.
5	CENTER LENS	Press to center the lens (zoom, focus, lens shift). <b>Note:</b> <i>Please center the lens every time after the lens is installed.</i>
6	BLANK	Press to light or blank the Light output.
7	FOCUS	Press to adjust the focus of the projected image.
8	ZOOM	Press to adjust the size of the projected image.
9	MENU	Press to display, hide the OSD menu or return the previous OSD menu.
10	▲	Press to select or change settings in the OSD.
11	◀	Press to select or change settings in the OSD.
12	▼	Press to select or change settings in the OSD.
13	ENTER*	Press to confirm the changed settings.
14	▶	Press to select or change settings in the OSD.
15	EXIT	Press to exit the OSD menu.
16	LENS-SHIFT	Press to move the lens up, down, right or left.

\* Lens Adjustment Screen appears when **ENTER** button is pressed when OSD is not displayed.

## Power Panel



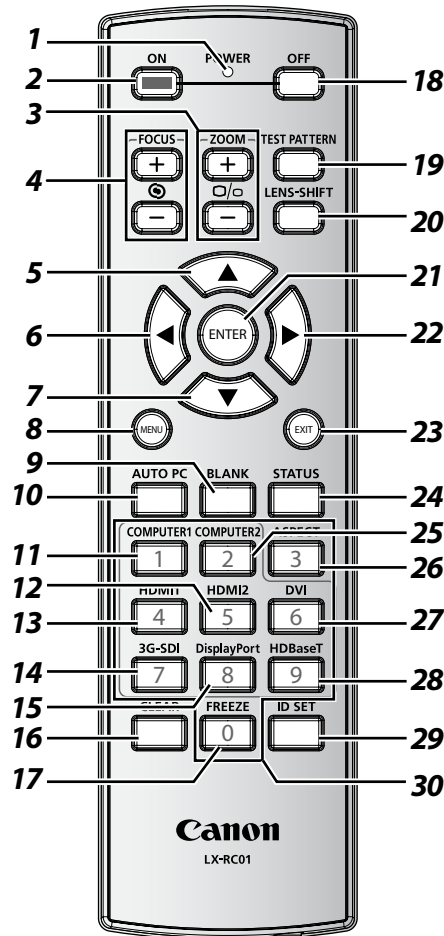
Item	Label	Description
1	VOLTAGE SELECT	Slide to select the current input voltage according to the area. See " <a href="#">Voltage Selection</a> " on page 6. Improper selection of the switch could damage the projector. Please contact a qualified technician or the Canon Customer Support Center regarding any unclear points.
2	Power Switch	Turn on or off AC power of the projector.
3	Power Socket	Connect the projector to a wall socket for power. The power socket has a hook for securing the power cord. Do not fail to secure the power cord with the hook.



## Remote Control

### Remote Control Precaution

- Handle the remote control carefully.
- Avoid excessive heat and humidity.
- Do not short, heat, or take apart batteries.
- Do not throw batteries into fire.
- Remove the battery if the remote control may not be used for a long time to prevent the damage caused by leaks.
- Ensure that you have the batteries' polarity (+/-) aligned correctly.
- Do not use new and old batteries together, or use different types of batteries together.
- Dispose of used batteries according to your local regulations.



#### Important:

1. Avoid using the projector with bright fluorescent lighting turned on. Certain high-frequency fluorescent lights can disrupt remote control operation.
2. Be sure nothing obstructs the path between the remote control and the projector.
3. The buttons and keys on the projector have the same functions as the corresponding buttons on the remote control. This user's manual describes the functions based on the remote control.
4. Use an exclusive Remote Control (LX-RC01).

Item	Label	Description
1	LED indicator	Lights when the key is pressed.
2	ON	Press to turn on the projector.
3	ZOOM	Press to adjust the size of the projected image.
4	FOCUS	Press to adjust the focus of the projected image.

Item	Label	Description
5	▲	Press to select or change settings in the OSD.
6	◀	Press to select or change settings in the OSD.
7	▼	Press to select or change settings in the OSD.
8	MENU	Press to display, hide the OSD menu or return the previous OSD menu.
9	BLANK	Press to light or blank the Light output.
10	AUTO PC	Press to initiate the automatic synchronization procedure.
11	COMPUTER1	Press to switch input signal to COMPUTER1.
12	HDMI2	Press to switch input signal to HDMI.
13	HDMI1	
14	3G-SDI	Press to switch input signal to 3D-SDI.
15	DisplayPort	No function.
16	CLEAR	Reset the stored Remote ID.
17	FREEZE (*1)	Press to freeze the projected image.
18	OFF	Press to turn off the projector.
19	TEST PATTERN	Press to display the test pattern and press again to switch to the next test pattern. Press <b>EXIT</b> to return the projected image.
20	LENS-SHIFT	Press to move the lens up, down, right or left.
21	ENTER (*2)	Press to confirm the changed settings.
22	▶	Press to select or change settings in the OSD.
23	EXIT	Press to exit the OSD menu.
24	STATUS	Press to display the <b>SERVICE</b> menu (OSD).
25	COMPUTER2	Press to switch input signal to COMPUTER2.
26	ASPECT	Press to switch to the next aspect ratio setting.
27	DVI	Press to switch input signal to DVI-D.
28	HDBaseT	Press to switch input signal to HDBaseT.
29	ID SET	Press to set the Remote ID.
30	Numeric buttons	Press numeric to set Control ID or Remote ID.

(\*1) This function is applicable to 2D signal.

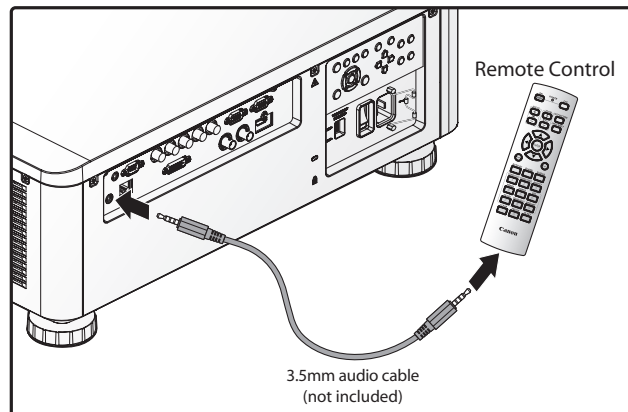
(\*2) Lens Adjustment Screen appears when **ENTER** button is pressed when OSD is not displayed.

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## Using the Exclusive Remote (LX-RC01) with Wired

To use a wired remote control with the projector.

Use a cable with a  $\varnothing 3.5$  mm stereo mini jack (not included).

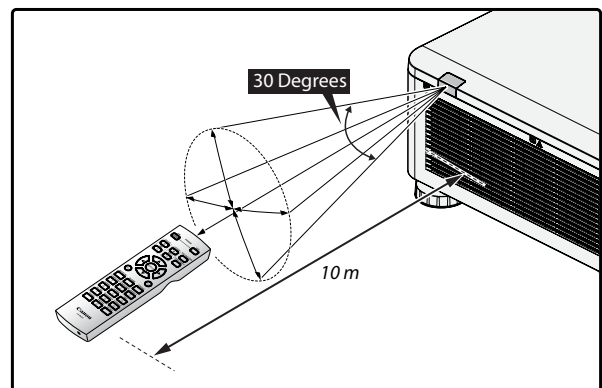
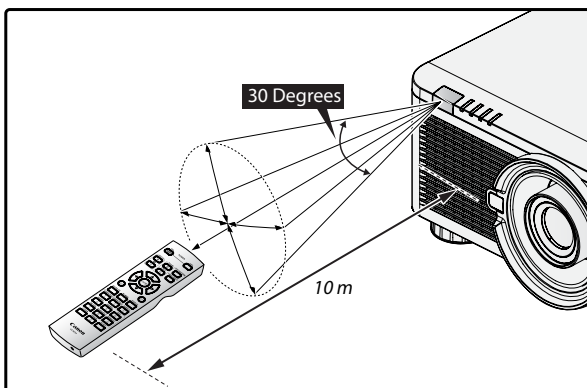


### Note:

*Infrared operations cannot be performed if a cable is connected to the projector or the remote control.*

## Remote Control Operating Range

The remote control uses infrared transmission to control the projector. Provided you are not holding the remote perpendicular to the sides or the rear of the projector, the remote will function well within a radius of about 10 meters and 30 degrees above or below the projector level. If the projector does not respond to the remote control, move a little closer.



---

## Setting the Remote ID to the Projector

To operate multiple projectors independently, set this ID function.

- “Remote ID” is for a remote control.
  - “Control ID” is for a projector. See page 76.
1. Press the **ID SET** button for three seconds. The LED indicator on the remote control blinks.
  2. To designate the Remote ID, press and hold the 2 digit number (01 ~ 99) each button for 1 second at least. The remote control backlight blinks. Once initiated, the ID set procedure allows for ten seconds to complete the process. After ten seconds, you must restart the procedure.

**Note:**

*The factory default is “X / X”. “X” means all ID. And the left side is “Control ID”. The right side is “Remote ID”. See page 76.*

## Clearing the Remote ID

Press the **ID SET** and **CLEAR** for five seconds. The remote control backlight blinks signifying that the ID setting is cleared.

## Projector and Remote Control Buttons

The projector can be operated using the remote control or the buttons on the side of the projector. All operations can be carried out with the remote control; however, the buttons on the projector are limited in use.

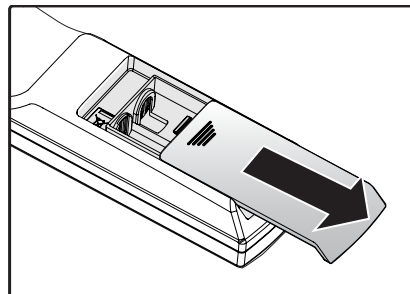
# Setup and Operation

## Inserting the Remote Control Batteries

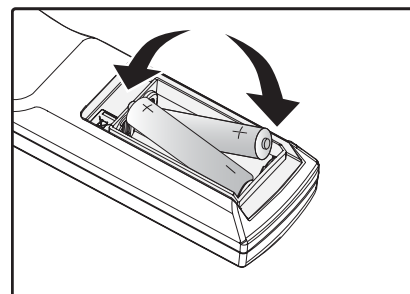
**Note:**

- Do not use the old and new batteries or the batteries of different types together.
- Remove the battery if the remote control may not be used for a long time to prevent the damage caused by leaks.

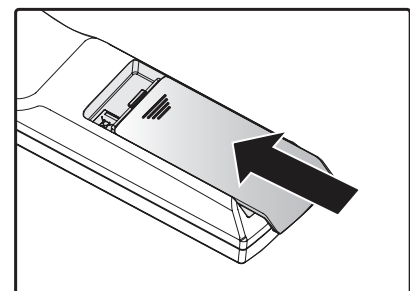
1. Slide the battery cover as illustrated.



2. Place two AA batteries in the compartment, make sure the polarity in the compartment and batteries are aligned correctly.

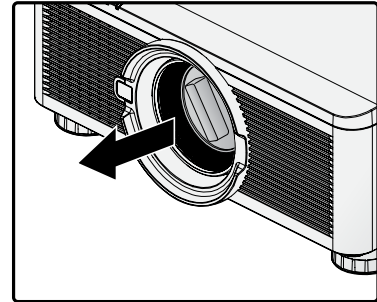


3. Slide the battery cover back.

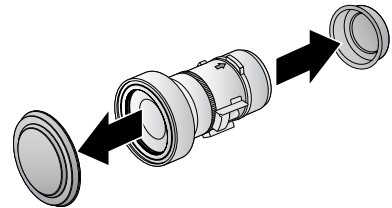


## Installing the Lens

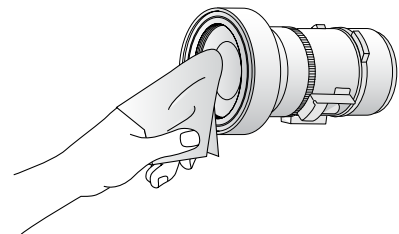
1. Remove the dust cap.



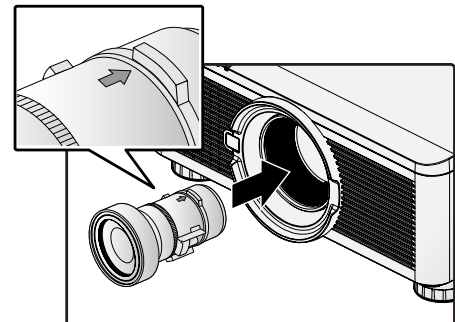
2. Remove the new lens from its packaging.
3. Remove the lens covers from the rear and front of the new lens. Remove them before continuing.



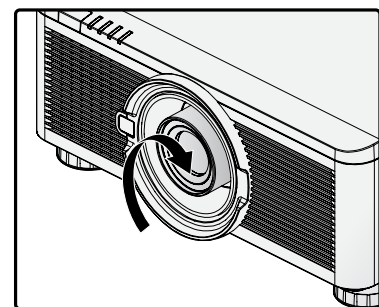
4. Clean the new lens before installing. Take care when cleaning to prevent scratching the surface of the new lens.



5. Orient the lens so that the arrow on the label pasted on its side is facing upward and push the lens into the lens mount of the unit as far as it will go.



6. Turn the new lens clockwise until an audible Click is heard signifying the new lens is secured and seated correctly.



7. Gently pull on the new lens to ensure it is locked in place. If the new lens does not come off, it is seated correctly.

### Note:

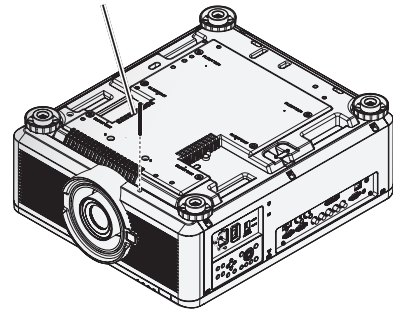
- *The projector supports the lens memory function. Perform the memory function every time when you install the lens.*
- *Be sure to execute **Center Lens** after the lens is changed.*
- *Refer to User's Manual attached to optional lens as well.*

---

## Using the Anti-theft Screw for Lens

To prevent the accidental removal of the lens, fasten the Anti-theft screw for lens included with the projector to the bottom of the projector.

**Anti-theft screw for lens**

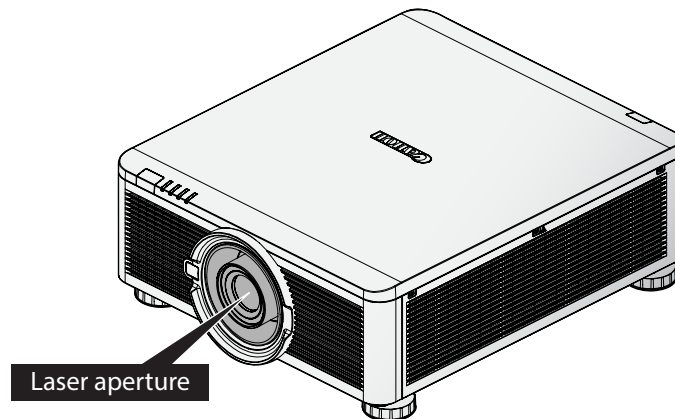


## **Projector Parts and Functions**

### Location of Laser Aperture

**Note:**

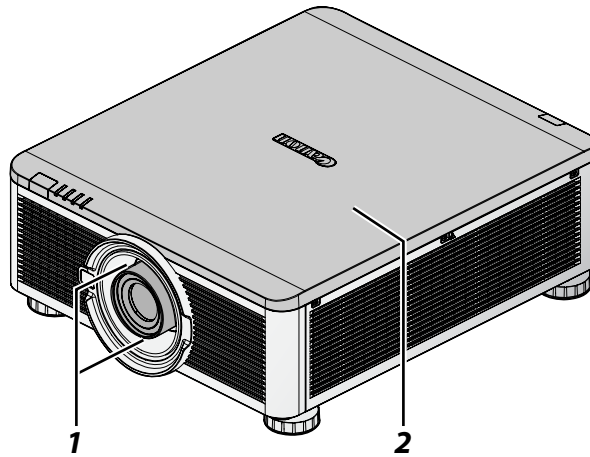
*The laser aperture is located as depicted in the following illustration. For your safety, do not stare directly into the laser source. Staring directly into the laser source could permanently damage your eyes.*



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### Interlock Switches

This projector has three (top cover x 1, lens x 2) interlocking switches to protect the user from the unnecessary laser exposure.



Item	Description
1	The lens alarm function automatically powers off the projector if the lens is removed or not installed correctly.
2	The intruder alarm function automatically powers off the projector if the top cover is removed.



---

## Precaution for Installing the Projector

The high quality display from the project is only available when the projector is correctly installed. Generally, the light source facing the screen should be reduced or eliminated as much as possible. The contrast of the image will be obviously reduced if the light directly shines on the screen, such as the beam from windows or the other lighting illumination on the image. The image may become faded and not bright.

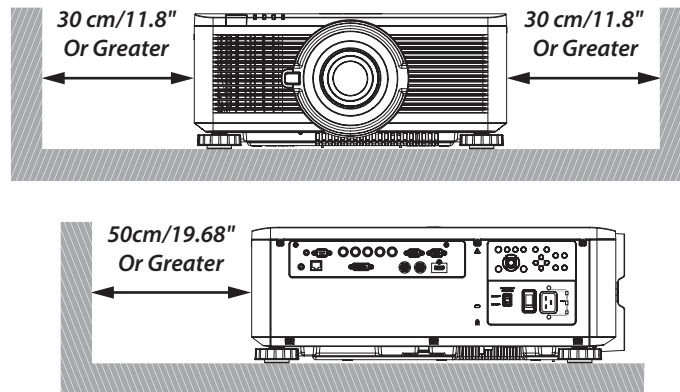
### Projector Installation and Setup

The available installation options are available as follows:

- **Front Table:** Install the projector on the table and project the image forward.
- **Rear Table:** Install the image behind the screen and project onto the screen.
- **Front Ceiling:** Mounting the projector on the ceiling and project the image forward.
- **Rear Ceiling:** Mounting the projector on the ceiling behind the screen and project onto the screen.

### Cautions for Ventilation

The product is a high-brightness projector. The intake are located on the front and right sides to provide sufficient air for cooling. The projector has two vents on the back for cool air discharging. When installing, make sure the intake and outlet vents meet the required clearance to allow for the proper cooling requirements of the system. At least 30cm around the intake and 50cm around the vent should be clear.



#### **Note:**

- *Inadequate cooling may cause the projector to stop operations due to overheating.*
- *Overheating may shorten the life of components or laser.*
- *The intake and outtake vents should not be obstructed to prevent overheating.*

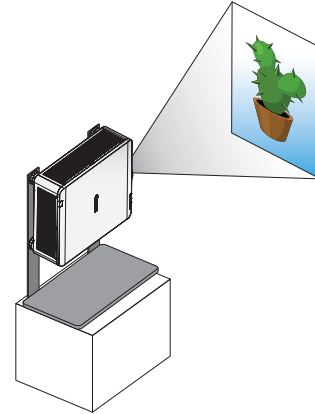
---

### Portrait Projection (Vertical Orientation)

The projector can be installed vertically to display computer images in portrait orientation.

Notes, when installing the projector vertically.

- Allow at least 30 cm(11.8”) clearance around the air intake vent.
- Prepare an exclusive stand (not included).



**Note:**

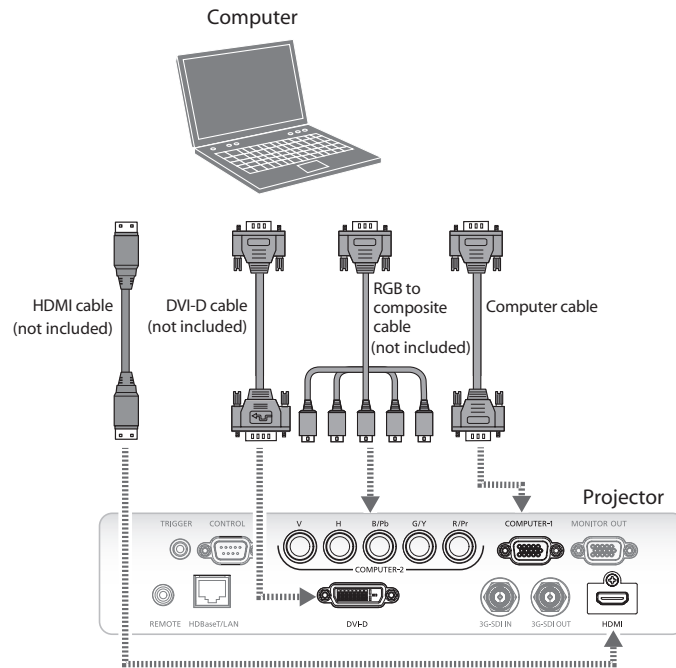
*Using the projector in the following situation may accelerate the deterioration of optical parts.*

- *When the projector is installed on which projection lens faces downward.*
- *When the air intake vent of the projector side faces downward in the portrait projection.*

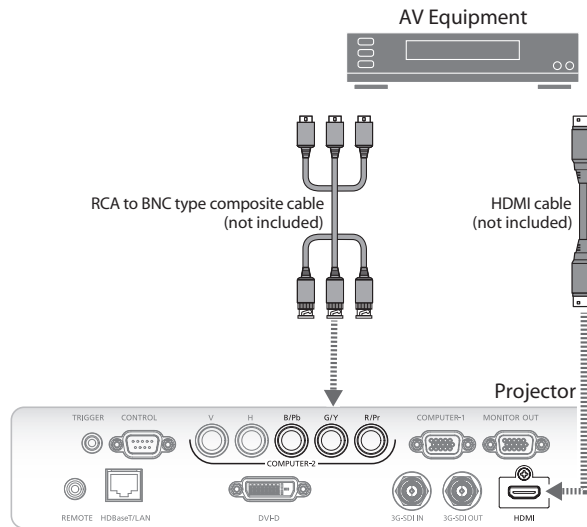
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## Connecting the Projector

### Connecting to the PC

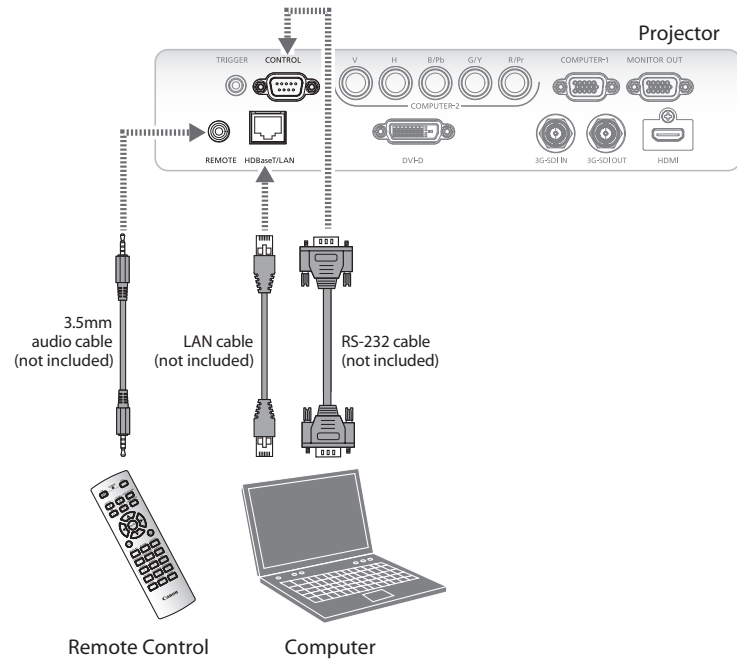


### Connecting to the AV Equipment

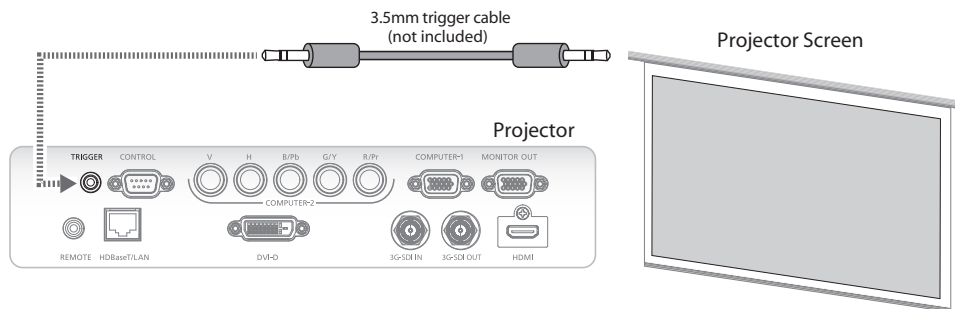


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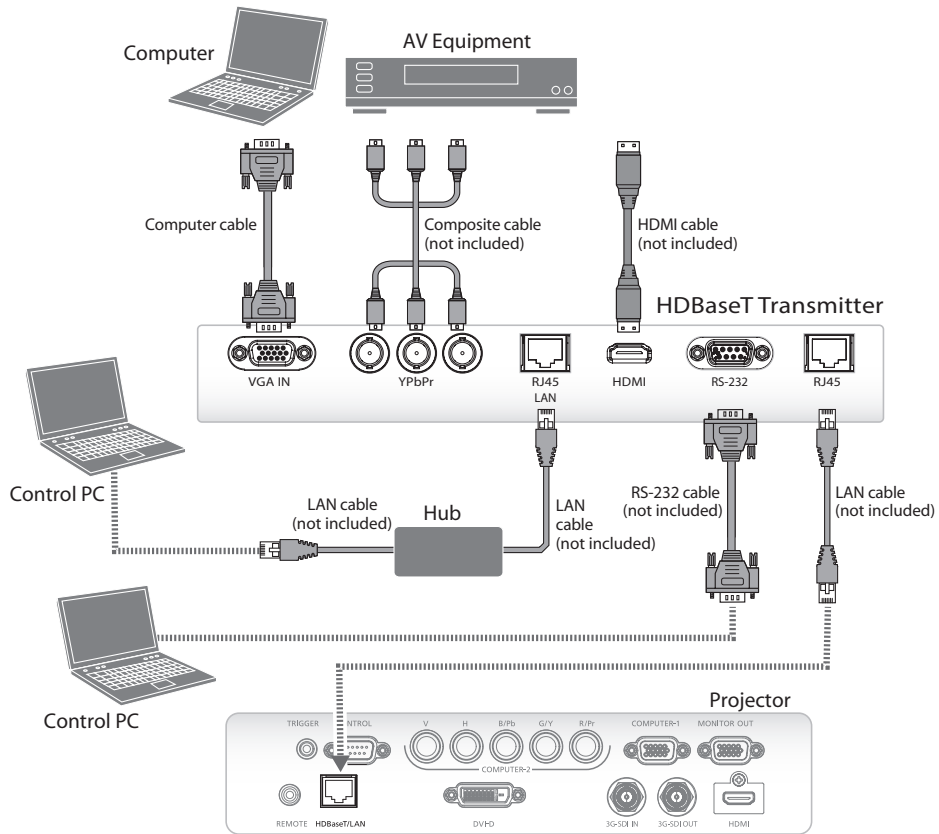
## Connecting to the Control Devices



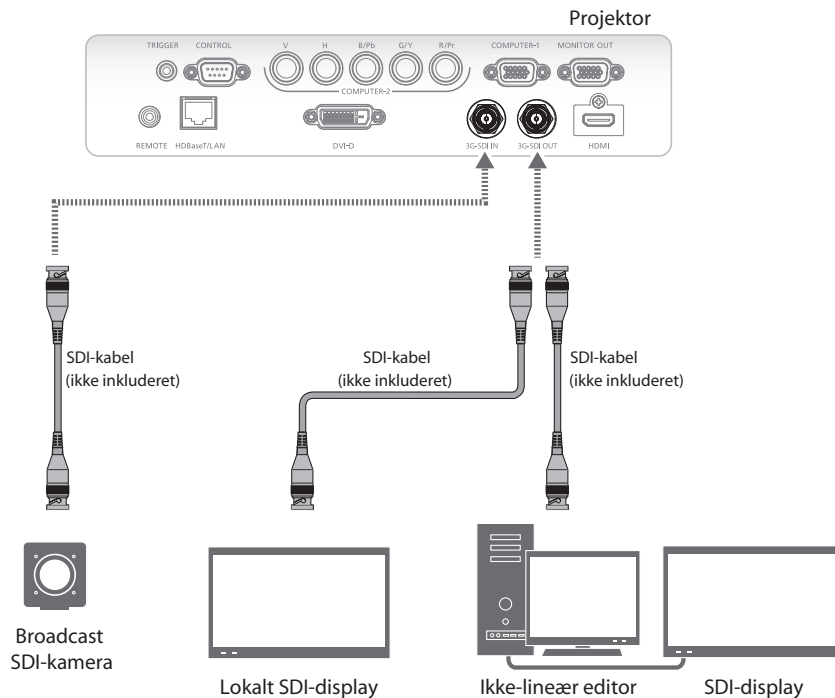
## Connecting to the Screen Trigger



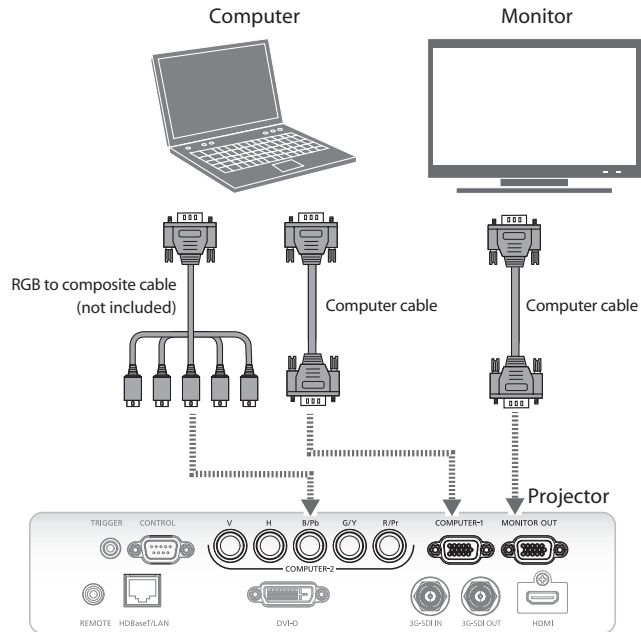
## Connecting to the External HDBaseT Transmitter



## Connecting to the 3G-SDI

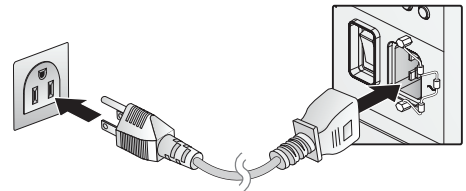


## Connecting to the Extended Monitor

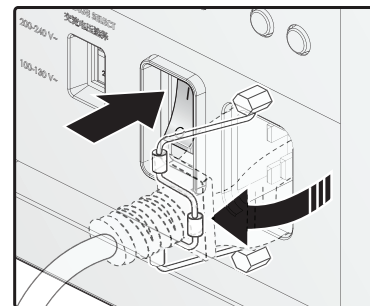


## Starting and Shutting down the Projector

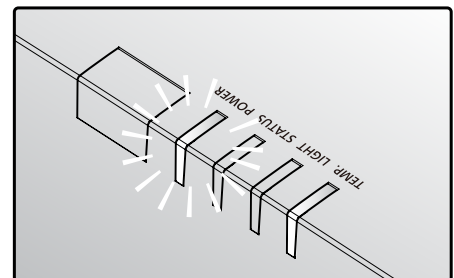
1. Connect the power cord to the projector. Connect the other end to a wall outlet.  
(“Voltage Selection” on page 6 of AC input selected.)



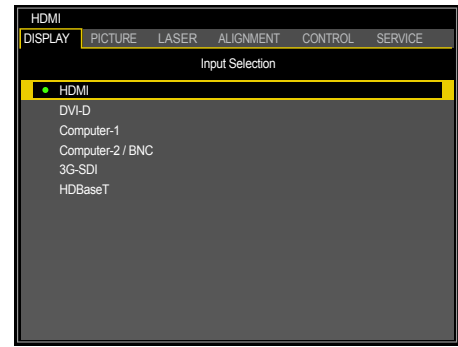
2. Fix the power cord to the power socket of the projector with a hook.
3. Turn on the power switch.



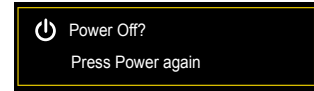
4. Make sure the **POWER** LED displays solid red.  
Press the **POWER** button on the projector or the **ON** button on the remote control to turn on the projector.  
See “Power LED Indicator” on page 99.



5. Press the source buttons on the remote control or **INPUT** on the projector to select a desired input signal.



6. Press the **POWER** button on the projector or the **OFF** button on the remote control to show the “Power Off? / Press Power again” prompt.
7. Press the **POWER** button on the projector or the **OFF** button on the remote control to turn off the projector.



**Note:**

- Use the projector’s supplied power cord.
- Confirm the projector’s power requirements before installing to make sure the power supply meets the projector’s specification requirements.
- Turn off this product when not in use to prolong the life of the projector. Laser life vary depending upon mode selected, environmental conditions, and usage. Brightness decreases over time.

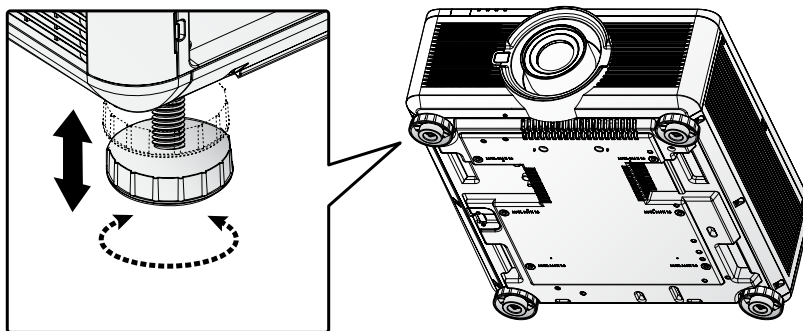
**Warning:**

Do not unplug the power cord and do not turn off the power switch until the **POWER LED** solid red - indicating the projector has cooled down.

## Adjusting the Projector Level

Take note of the following when setting up the projector:

- The projector table or stand should be level and sturdy.
- Position the projector so that it is perpendicular to the screen.
- Ensure the cables are secured and out of the way to avoid tripping on them and prevent damage or injury.

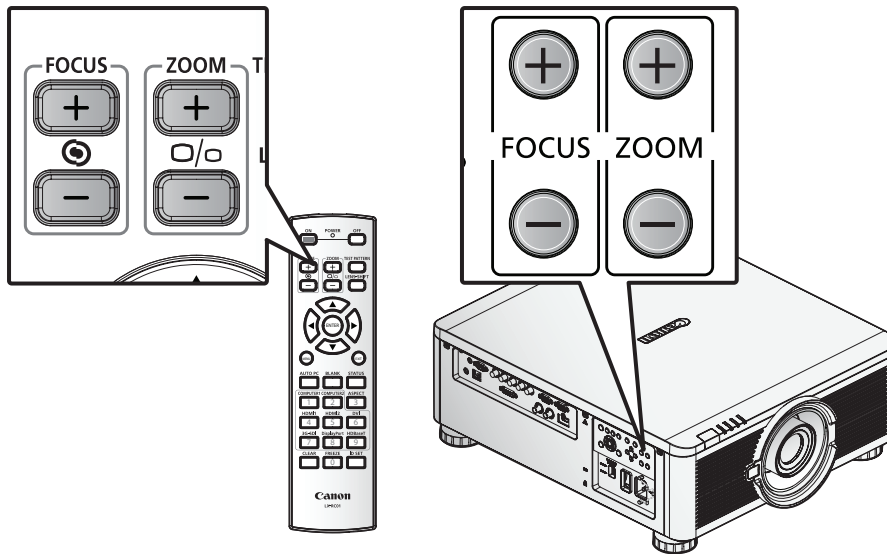


To level the projector on the installation surface, turn the tilt-adjuster right or left until the desired angle is achieved.

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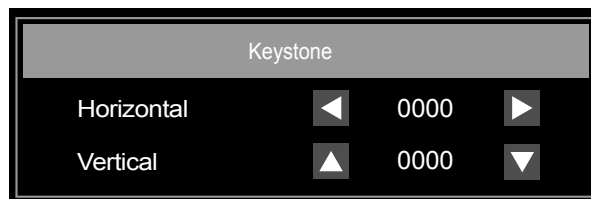
## Adjusting the Focus and Zoom

1. Press **FOCUS +/-** on the projector or the remote control to sharpen the projected image.
2. Press **ZOOM +/-** on the projector or the remote control to adjust the size of the image (**ZOOM +** increases image size, **ZOOM -** decreases image size).



## Adjust the Keystone

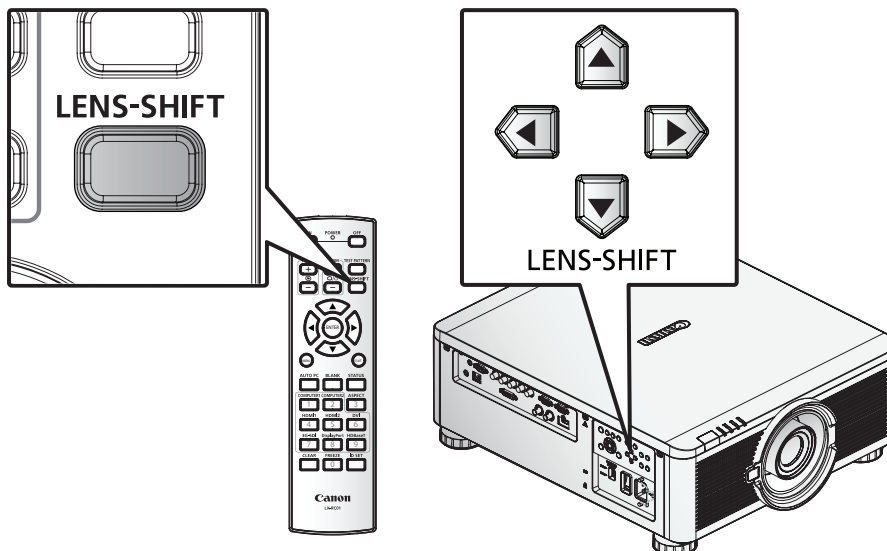
1. Press **MENU**. Press ◀ or ▶ to navigate to **ALIGNMENT**.
2. Press ▲ or ▼ until **Keystone** is selected.
3. Press **ENTER** to enter keystone control menu.
4. Press ▲, ▼, ◀ or ▶ to correct keystone distortion.



When the aspect is set to real in low-resolution mode, OSD may become out of range depending on the level of Keystone adjustment. See “Keystone” on page 58.

## Adjusting the Lens Shift

The projector has the lens shift feature and the image can be vertically adjusted without moving the projector.

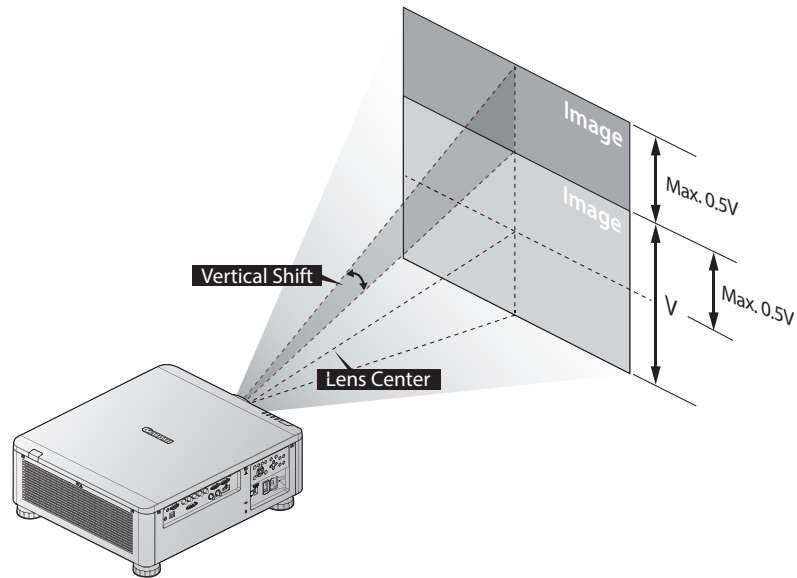




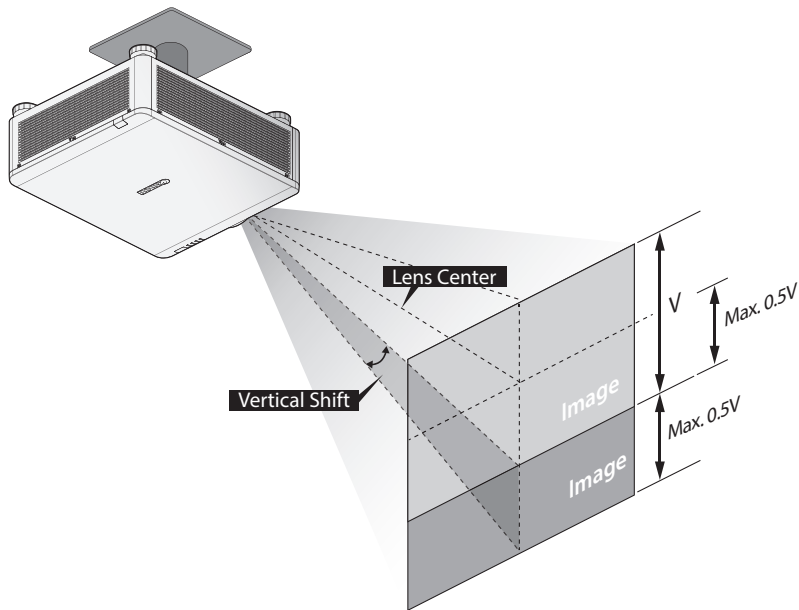
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## Vertical Lens Shift

The lens on a desk mounted projector can move down to up from 0% to 50% (0.5V).



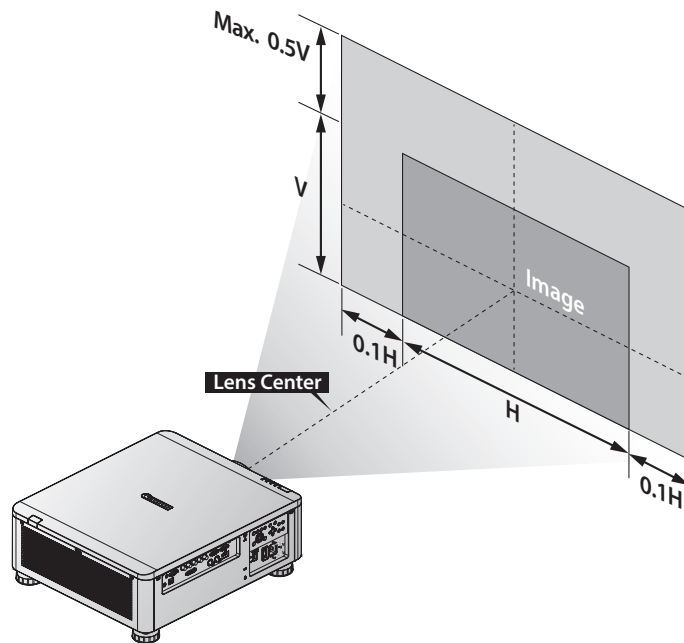
The lens of the ceiling mounted projector can move up to down from 0% to 50% (0.5V).



- The above lens shift range is for LX-IL01UW (ultra wide zoom lens), LX-IL02WZ (wide zoom lens), LX-IL03ST (standard zoom lens), LX-IL04MZ (middle zoom lens), LX-IL05LZ (long zoom lens), LX-IL06UL (ultra long zoom lens), except LX-IL07WF (short fixed lens).
- The LX-IL07WF (short fixed lens), optical performance guaranteed range is limited at 0% position.

## Horizontal Lens Shift

The image can be shifted horizontally to the right or left by 10% (0.1H) without moving the projector.

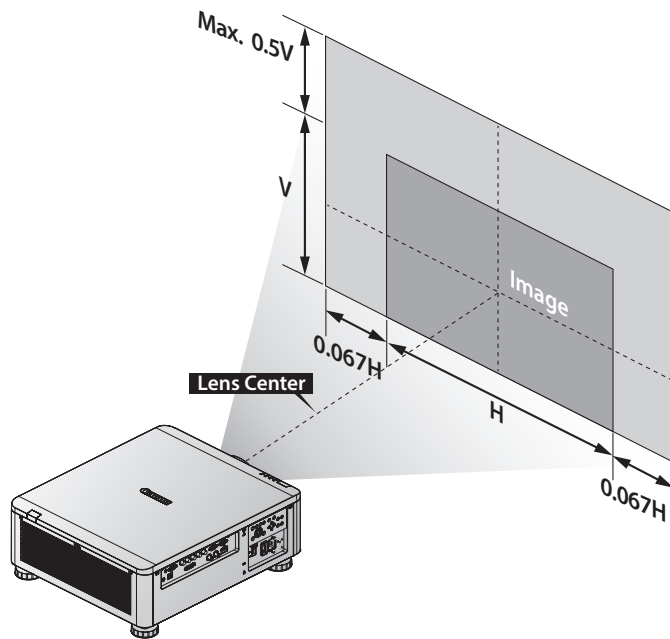


- The above lens shift range is for LX-IL02WZ (wide zoom lens), LX-IL03ST (standard zoom lens), LX-IL04MZ (middle zoom lens), LX-IL05LZ (long zoom lens), LX-IL06UL (ultra long zoom lens).
- The LX-IL07WF (short fixed lens), optical performance guaranteed range is limited at 0% position.

Lens Shift Specification	Vertical		Horizontal	
	Up	Down	Left	Right
Lens Shift Adjust Range	60%	30%	10%	20%
Optical performance guaranteed range	50%	0%	10%	10%

Horizontal Lens Shift for LX-IL01UW (Ultra Wide Zoom Lens)

The image can be shifted horizontally to the right or left by 6.70% (0.067H) without moving the projector.



- The above lens shift range is for LX-IL01UW (ultra wide zoom lens).

Lens Shift Specification	Vertical		Horizontal	
	Up	Down	Left	Right
Lens Shift Adjust Range	60%	30%	10%	20%
Optical performance guaranteed range	50%	0%	6.7%	6.7%

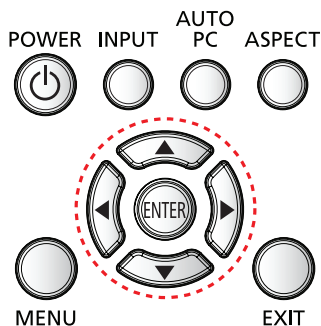
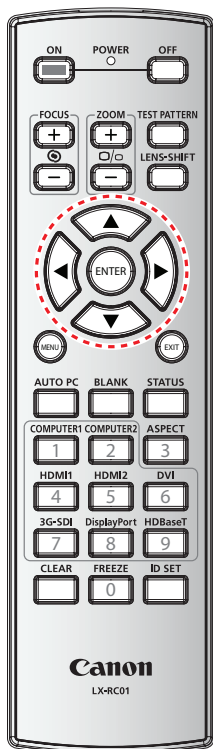
# On-Screen Display (OSD) Menu Settings

## OSD Menu Controls

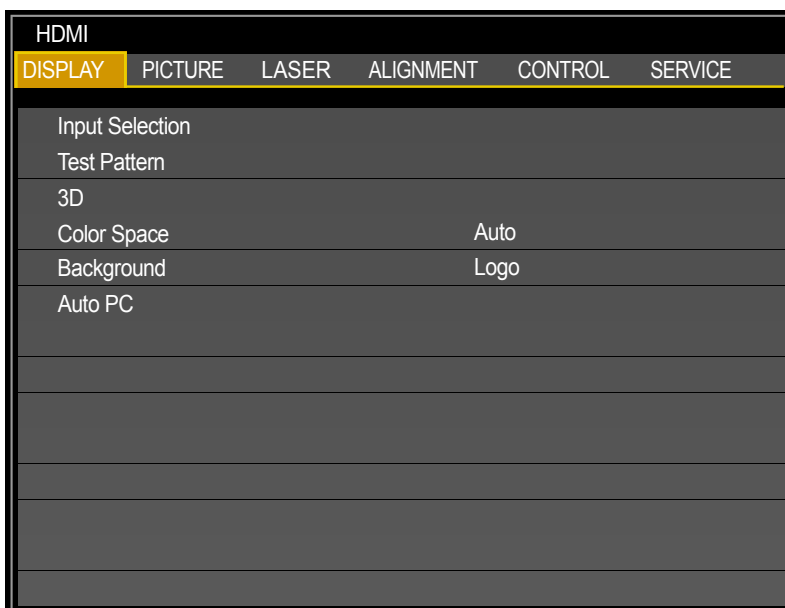
The projector has an OSD that lets you make image adjustments and change various settings.

### Navigating the OSD

You can use ▲, ▼, ◀ or ▶ on the remote control or the projector keypad to navigate and adjust settings.



1. Press **MENU** to enter the OSD.
2. There are six menus. Press ◀ or ▶ to move through the menus.
3. Press ▲ or ▼ to move up and down in a menu.
4. Press ◀ or ▶ to change values for settings.
5. Press **MENU** to close the OSD or return the previous menu.

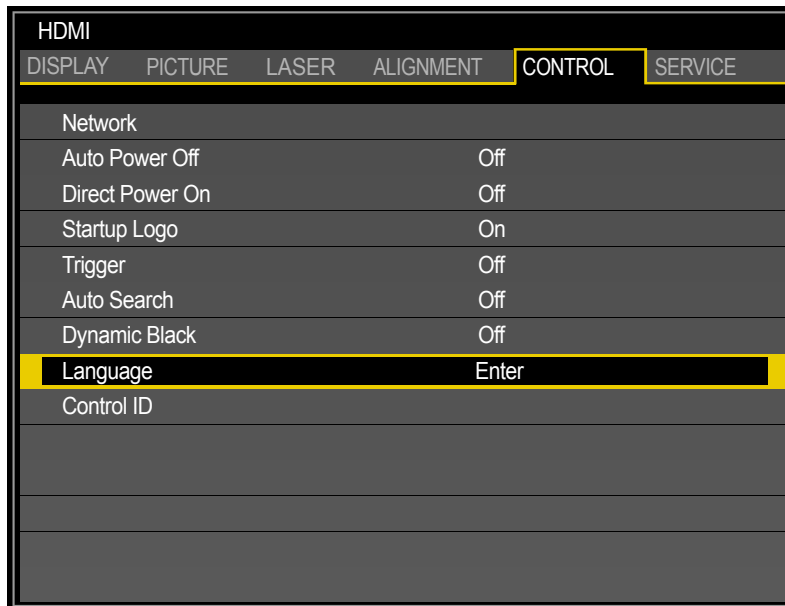


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## Setting the OSD Language

Set the OSD language (default: English) to your preference before continuing.

1. Press **MENU**. Press ◀ or ▶ to navigate to **CONTROL**.
2. Press ▲ or ▼ until **Language** is selected. Press **ENTER** to enter the **Language** menu.



3. Press ▲ or ▼ until the language you want is selected.



4. Press **MENU** three times to close the OSD.

## OSD Menu Overview

Main Menu	Sub Menu	Setting		
DISPLAY	Input Selection	<b>HDMI</b> / DVI-D / Computer-1 / Computer-2/BNC / 3G-SDI / HDBaseT		
	Test Pattern	White / Black / Red / Green / Blue / Checkerboard / CrossHatch / V Burst / H Burst / ColorBar		
	3D	3D Format	Off / <b>Auto</b> / Side by Side (Half) / Top and Bottom / Frame Sequential	
		DLP Link	<b>Off</b> / On	
		3D Swap	<b>Normal</b> / Reverse	
	Color Space	<b>Auto</b> / REC709 / REC601 / RGB PC / RGB Video		
	Background	<b>Logo</b> / Black / Blue / White		
	Auto PC	Enter		
PICTURE	Picture Mode	<b>Presentation</b> / Standard / Video		
	Brightness	0 ~ <b>100</b> ~ 200		
	Contrast	0 ~ <b>100</b> ~ 200		
	Saturation	0 ~ <b>100</b> ~ 200		
	Hue	0 ~ <b>100</b> ~ 200		
	Gamma	1.0 / 1.8 / <b>2.0</b> / 2.2 / 2.35 / 2.5 (Picture Mode: Presentation) 1.0 / 1.8 / 2.0 / <b>2.2</b> / 2.35 / 2.5 (Picture Mode: Standard / Video)		
	Color	Hue	Red / Green / Blue / Cyan / Magenta / Yellow	
		Saturation	Red / Green / Blue / Cyan / Magenta / Yellow	
		Gain	Red / Green / Blue / Cyan / Magenta / Yellow	
		White Gain	Red / Green / Blue	
	Color Temperature	5400K / 6500K / 7500K / 8200K / 9300K / <b>Native</b>		
	White Balance	Red Offset / Green Offset / Blue Offset / Red Gain / Green Gain / Blue Gain		
	Sharpness	0 ~ 15		
	Noise Reduction	0 ~ 3		
	VGA Setup	V Start / H Start / H Phase / H Total		
LASER	Power Mode	Eco / <b>Normal</b> / Custom		
	Power Level	LX-MU800Z: 20% ~ 100% LX-MU600Z: 35% ~ 100%		
	High Altitude	<b>Auto</b> / High		

Factory Settings are in bold letters.

Main Menu	Sub Menu	Setting		
ALIGNMENT	Projection Mode	<b>Front Tabletop</b> / Front Ceiling / Rear Tabletop / Rear Ceiling		
	Lens Control	Popup menu for Zoom, Focus and Shift control		
	Lens Memory	Memory 1 / Memory 2 / Memory 3 / Memory 4 / Memory 5 / Memory 6 / Memory 7 / Memory 8		
	Center Lens	Center Lens ?	OK / <b>Cancel</b>	
	Geometry	Aspect Ratio	5:4 / 4:3 / 16:10 / 16:9 / 1.88 / 2.35 / Letterbox / <b>Auto</b> / True Size	
		Overscan	<b>Off</b> / Crop / Zoom	
		Digital Alignment	Digital Zoom / Digital Pan / Digital Scan / Reset	
		Keystone	Popup menu with X and Y adjustment, -600 < X < 600, -400 < Y < 400	
		Rotation	-100 ~ 100	
		Pincushion / Barrel	Popup menu with X and Y adjustment, -150 < X < 300, -150 < Y < 300	
		Top Left Corner	Popup menu with X and Y adjustment, -192 < X < 192, -120 < Y < 120	
		Top Right Corner	Popup menu with X and Y adjustment, -192 < X < 192, -120 < Y < 120	
		Bottom Left Corner	Popup menu with X and Y adjustment, -192 < X < 192, -120 < Y < 120	
		Bottom Right Corner	Popup menu with X and Y adjustment, -192 < X < 192, -120 < Y < 120	
		Reset	Enter	
		Blanking	Top / Bottom: 0 ~ 360 Left / Right: 0 ~ 534	
		Edge Blend	Edge Blend	<b>Off</b> / On
	Align Pattern		<b>Off</b> / On	
	Blend Width		Top / Bottom / Left / Right: 0, 100 ~ 800	
	Black Level		Top / Bottom / Left / Right: 0 ~ 32 All / Red / Green / Blue: 0 ~ 255	
	Reset		Enter	

Factory Settings are in bold letters.

Main Menu	Sub Menu	Setting		
CONTROL	Network	Network Mode	Projector Control / Service	
		Standby Power	<b>Off</b> / On	
		DHCP	<b>Off</b> / On	
		IP	192.168.0.100 (Enter to edit)	
		Subnet Mask	255.255.255.0 (Enter to edit)	
		Gateway	0.0.0.0 (Enter to edit)	
		DNS	0.0.0.0 (Enter to edit)	
		MAC	00:18:23:2c:eb:8a (example)	
	Auto Power Off	<b>Off</b> / On		
	Direct Power On	<b>Off</b> / On		
	Startup Logo	Off / <b>On</b>		
	Trigger	<b>Off</b> / On		
	Auto Search	<b>Off</b> / On		
	Dynamic Black	<b>Off</b> / On		
	Language	<b>English</b> / Français / Español / Deutsch / Português / Nederlands / Italiano / русский / 简体中文 / 繁體中文 / 한국어 / 日本語		
	Control ID	Control ID Enable	<b>Off</b> / On	
		Control ID Number	1 ~ 99	
Remote ID Number		1 ~ 99 (Need to press IR remote once)		
SERVICE (for LX-MU800Z)	Model Name	LX-MU800Z		
	Serial Number	DDE300001A (example)		
	Software Version 1	MM01-SD07-FD19 (example)		
	Software Version 2	LD06-22-RP02-3092 (example)		
	Control / Remote ID	X / X		
	Active Source	HDMI (example)		
	Signal Format	1920x1200 60Hz RB (example)		
	Pixel Clock	154.00 MHz (example)		
	H/V Refresh Rate	74.038 KHz / 59.95 Hz (example)		
	Laser Hours	000100 HRS (example)		
	Thermal Status	Inlet Temperature	25 / 25 (°C)	
		DMD Temperature	32 (°C)	
		Laser Temperature	33 / 30 (°C)	
		Water Pump RPM	3900	
		Fan 1-3 Speed	1400 / 1400 / 1400	
		Fan 4-6 Speed	1400 / 1200 / 1200	
		Fan 7-9 Speed	1200 / 1400 / 1400	
Fan 10-12 Speed		0 / 3000 / 3000		
Fan 13-15 Speed	3000 / 3000 / 3000			
Fan 16 Speed	3000			
Factory Reset	Reset Everything ?	OK / <b>Cancel</b>		

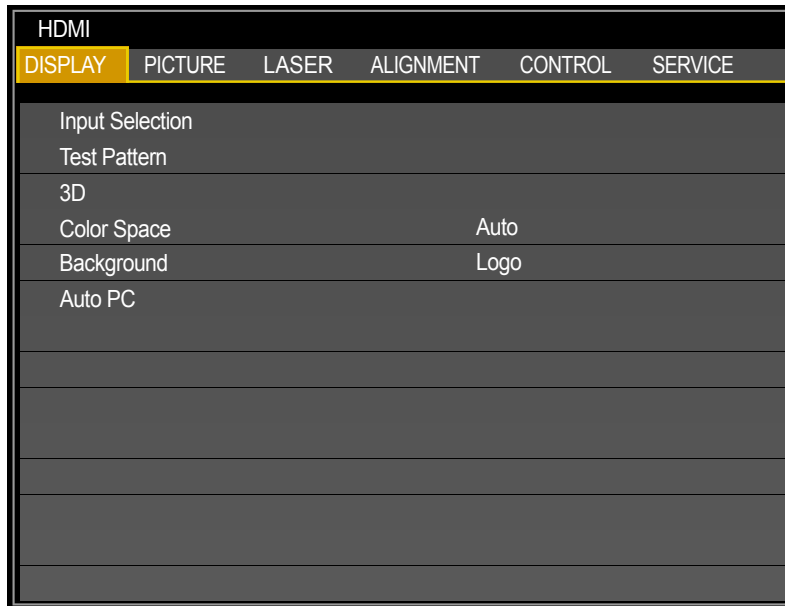
Factory Settings are in bold letters.



Main Menu	Sub Menu	Setting		
SERVICE (for LX-MU600Z)	Model Name	LX-MU600Z		
	Serial Number	DEE300001A (example)		
	Software Version 1	MM01-SD07-FD19 (example)		
	Software Version 2	LD06-22-RP02-3092 (example)		
	Control / Remote ID	X / X		
	Active Source	HDMI (example)		
	Signal Format	1920x1200 60Hz RB (example)		
	Pixel Clock	154.00 MHz (example)		
	H/V Refresh Rate	74.038 KHz / 59.95 Hz (example)		
	Laser Hours	000100 HRS (example)		
	Thermal Status	Inlet Temperature	25 / 25 (°C)	
		DMD Temperature	32 (°C)	
		Laser Temperature	33 / 30 (°C)	
		Water Pump RPM	3900	
		Fan 1-3 Speed	1400 / 1400 / 1400	
		Fan 4-6 Speed	1400 / 1200 / 1200	
		Fan 7-9 Speed	1200 / 1400 / 1400	
		Fan 10-12 Speed	0 / 3000 / 3000	
		Fan 13-15 Speed	3000 / 3000 / 3000	
	Fan 16 Speed	3000		
Factory Reset	Reset Everything ?	OK / <b>Cancel</b>		

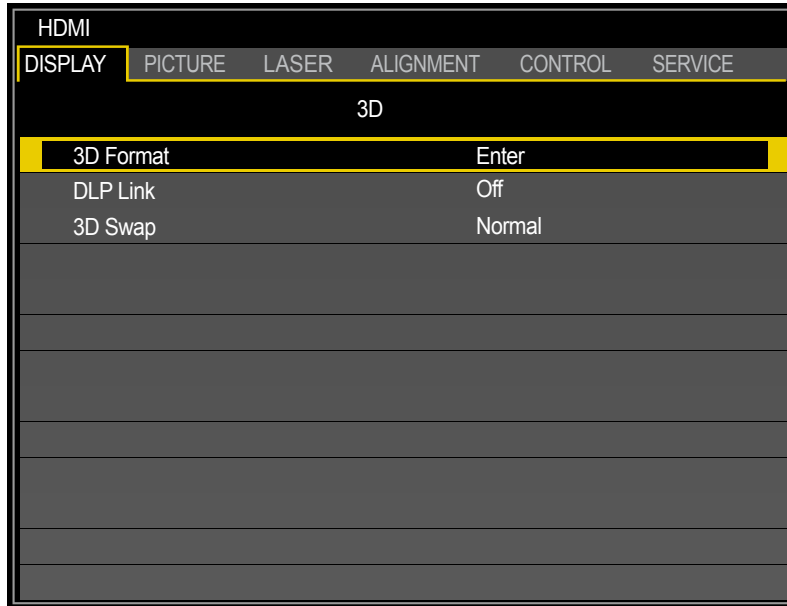
Factory Settings are in bold letters.

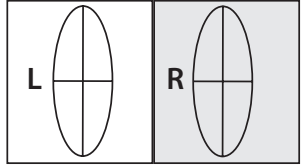
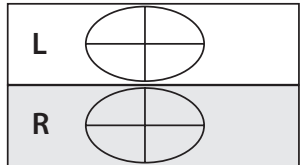
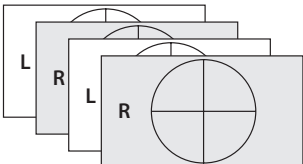
## DISPLAY Menu



Label	Description
Input Selection	Press <b>ENTER</b> to enter the <b>Input Selection</b> menu.
Test Pattern	Press <b>ENTER</b> to display different test patterns for projector installation check. Press <b>EXIT</b> or <b>TEST PATTERN</b> to close test pattern.
3D	Press <b>ENTER</b> to enter the <b>3D</b> menu. See “ <a href="#">3D Menu</a> ” on page 49. <b>Note:</b> <i>Before adjusting the 3D setting, ensure the input signal is connected.</i>
Color Space	Press ◀ or ▶ to adjust the color space. The options are <b>Auto</b> , <b>REC709</b> , <b>REC601</b> , <b>RGB PC</b> or <b>RGB-Video</b> .
Background	Press ◀ or ▶ to specify the image to be background when no signal. The options are <b>Logo</b> , <b>Blue</b> , <b>Black</b> or <b>White</b> .
Auto PC	Press <b>ENTER</b> to execute the auto sync input signal.

## 3D Menu



Label	Description
3D Format*	<p>Press <b>ENTER</b> to open the 3D Format window. Press <b>▲</b> or <b>▼</b> to select the 3D format. The options are <b>Off</b>, <b>Auto</b>, <b>Side by Side (Half)</b>, <b>Top and Bottom</b> or <b>Frame Sequential</b>.</p> <p><b>Side by Side (Half):</b> Transmission of separate images for left and right sides, placed next to each other. The image's horizontal definition is halved.</p>  <p style="text-align: center;"><b>Side by Side (Half)</b></p> <p><b>Top and Bottom:</b> Transmission of separate images for left and right sides, placed one above the other. The image's vertical definition is halved.</p>  <p style="text-align: center;"><b>Top and Bottom</b></p> <p><b>Frame Sequential:</b> Transmission of separate images for left and right sides in sequence producing a single video stream.</p>  <p style="text-align: center;"><b>Frame Sequential</b></p>
DLP Link	Press <b>◀</b> or <b>▶</b> to activate or deactivate the DLP Link sync.
3D Swap	Press <b>◀</b> or <b>▶</b> to select a status for 3D images viewed through the 3D glasses. The options are <b>Normal</b> or <b>Reverse</b> .

\*

- The freeze function cannot be used during 3D projection.
- Please select **AUTO** once again or select a known 3D format, when a 3D signal is not detected normally even if a 3D format is set by AUTO.

## PICTURE Menu

HDMI	
DISPLAY	PICTURE
LASER	ALIGNMENT
CONTROL	SERVICE
Picture Mode	Presentation
Brightness	100
Contrast	100
Saturation	100
Hue	100
Gamma	2.2
Color	
Color Temperature	Native
White Balance	
Sharpness	10
Noise Reduction	0
VGA Setup	

Label	Description
Picture Mode (*1)	Press ◀ or ▶ to select a picture mode. The options are <b>Presentation</b> , <b>Standard</b> and <b>Video</b> . <b>Presentation:</b> Suitable for viewing text-based images in a bright room. <b>Standard:</b> Suitable for projecting a computer screen or watching media played with video software in a bright room. This image mode emphasizes white tones. <b>Video:</b> Suitable for watching video taken with a video camera in a moderately dark room.
Brightness (*2)	Press ◀ or ▶ to adjust the brightness of the projected image.
Contrast	Press ◀ or ▶ to adjust the contrast of the projected image.
Saturation (*3)	Press ◀ or ▶ to adjust the saturation level of the color.
Hue (*3)	Press ◀ or ▶ to adjust the level of hue for reproduction of the true color.
Gamma	Press ◀ or ▶ to adjust the gamma correction of the projected image. The options are <b>1.0</b> , <b>1.8</b> , <b>2.0</b> , <b>2.2</b> , <b>2.35</b> and <b>2.5</b> .
Color	Press <b>ENTER</b> to enter the <b>Color</b> menu. See “ <a href="#">Color Menu</a> ” on page 51.
Color Temperature (*1)	Press ◀ or ▶ to adjust the color temperature. The options are <b>Native</b> , <b>5400K</b> , <b>6500K</b> , <b>7500K</b> , <b>8200K</b> and <b>9300K</b> .
White Balance	Press <b>ENTER</b> to enter the <b>White Balance</b> menu. Press ▲, ▼, ◀ or ▶ to adjust settings.
Sharpness	Press ◀ or ▶ to adjust the sharpness.
Noise Reduction	Press ◀ or ▶ to adjust the noise of the projected image.
VGA Setup (*1) (*4)	Press <b>ENTER</b> to enter the <b>VGA Setup</b> menu. See “ <a href="#">VGA Setup Menu</a> ” on page 52.

(\*1) This function is grayed-out and unusable when in 3D projection.

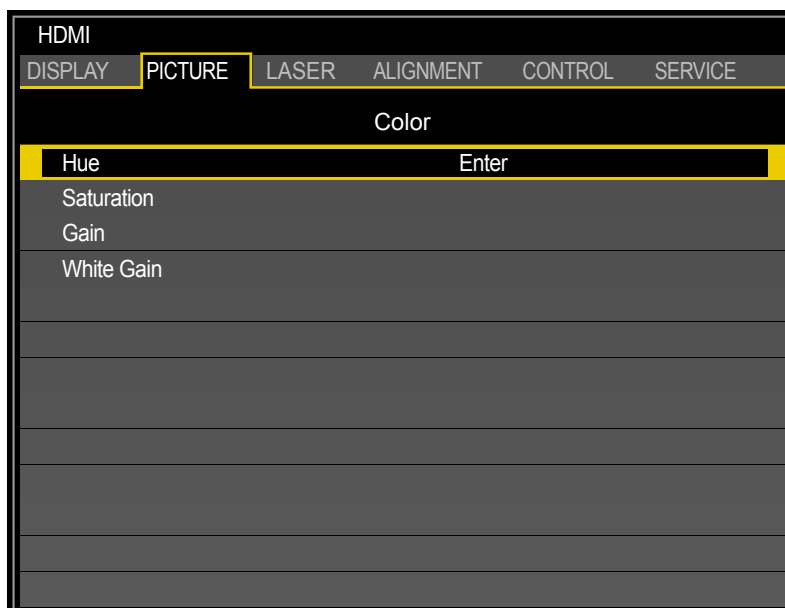
(\*2) The **Brightness** setting does not affect maximum brightness. To change the laser brightness mode, use the **Power Mode** setting.

(\*3) Adjustment is possible only when video signal is input.

(\*4) Adjustment is possible only when signals from the computer is input through Computer-1 and Computer-2/BNC.

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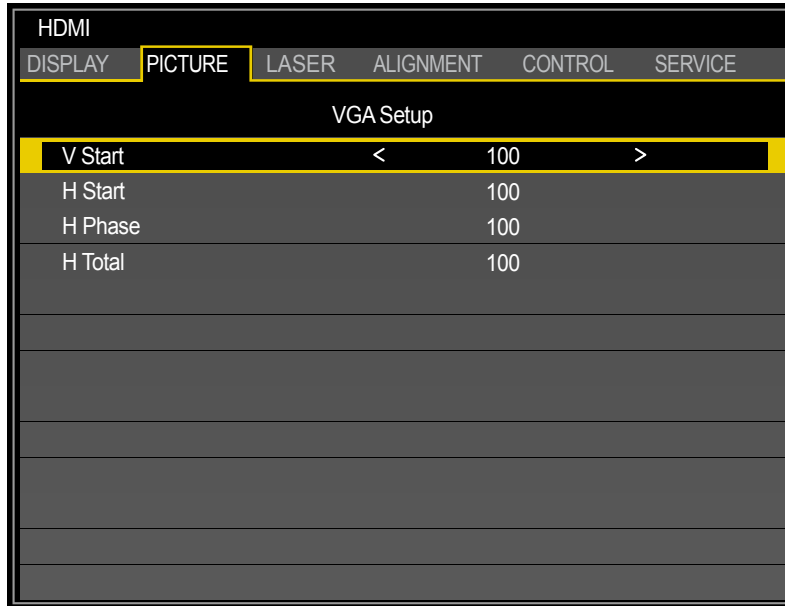
## Color Menu



Label	Description
Hue	Press <b>ENTER</b> to enter the <b>Hue</b> menu. Press <b>▲</b> , <b>▼</b> , <b>◀</b> or <b>▶</b> to adjust settings.
Saturation	Press <b>ENTER</b> to enter the <b>Saturation</b> menu. Press <b>▲</b> , <b>▼</b> , <b>◀</b> or <b>▶</b> to adjust settings.
Gain	Press <b>ENTER</b> to enter the <b>Gain</b> menu. Press <b>▲</b> , <b>▼</b> , <b>◀</b> or <b>▶</b> to adjust settings.
White Gain	Press <b>ENTER</b> to enter the <b>White Gain</b> menu. Press <b>▲</b> , <b>▼</b> , <b>◀</b> or <b>▶</b> to adjust settings.

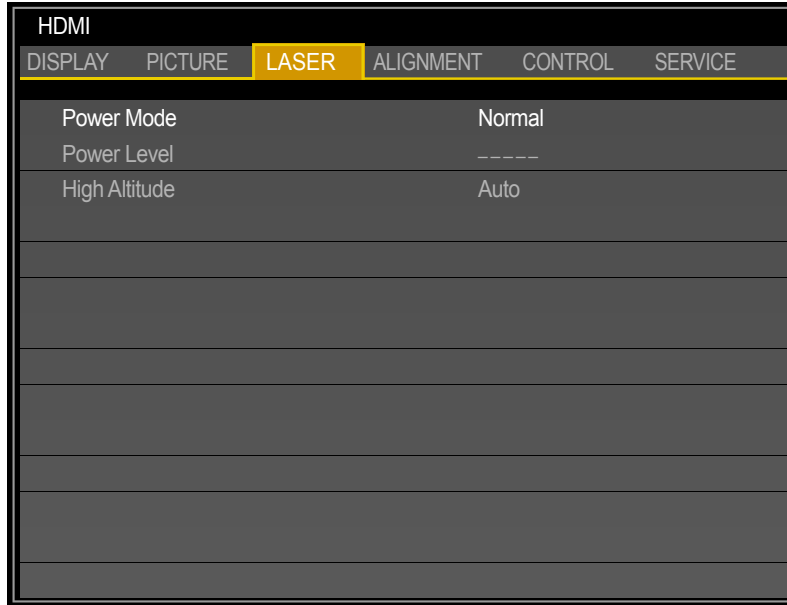
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## VGA Setup Menu



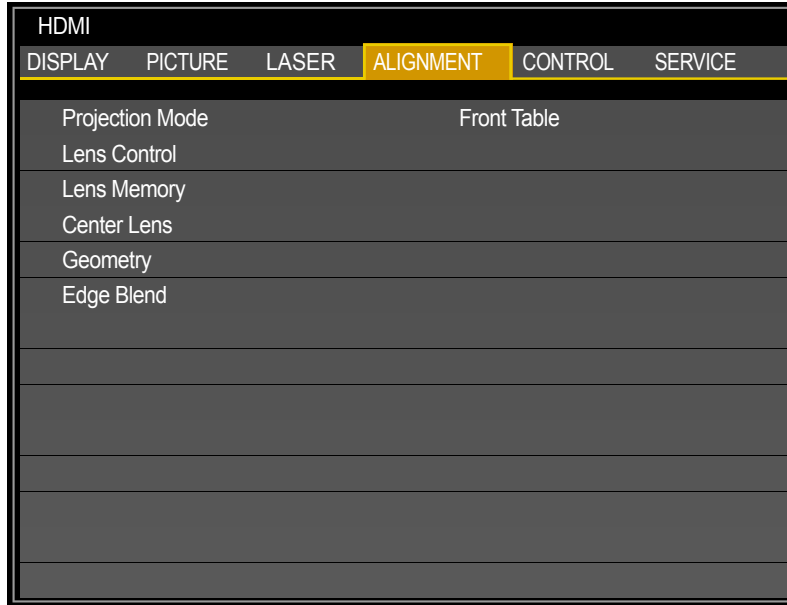
Label	Description
V Start	Press ◀ or ▶ to adjust V Start for the Computer-1 / Computer-2/BNC signal display.
H Start	Press ◀ or ▶ to adjust H Start for the Computer-1 / Computer-2/BNC signal display.
H Phase	Press ◀ or ▶ to adjust H Phase for the Computer-1 / Computer-2/BNC signal display.
H Total	Press ◀ or ▶ to adjust H Total for the Computer-1 / Computer-2/BNC signal display.

## LASER Menu



Label	Description
Power Mode	Press ◀ or ▶ to select a power mode. The options are <b>Normal</b> , <b>Eco</b> or <b>Custom</b> .
Power Level	Press ◀ or ▶ to adjust custom power level. The function is only available when <b>Power Mode</b> is <b>Custom</b> . Adjust the power level may change the brightness.
High Altitude	<p>There are two High Altitude mode settings: <b>Auto</b> and <b>High</b>.</p> <p><b>Auto:</b> The rotation rate of the fan is adjusted automatically to match the ambient temperature and air pressure.</p> <p><b>High:</b> The rotation rate of the fan is set to maximum.</p> <p>Press ◀ or ▶ to select a high altitude setting <b>Auto</b> or <b>High</b>.</p> <p>The high-altitude mode must be set to <b>High</b> under the following conditions:</p> <ul style="list-style-type: none"> <li>■ The elevation is 1,219 meters (4,000 feet) or above.</li> <li>■ The tilt angle of the projector is greater than ±10 degrees.</li> </ul> <p><b>Note:</b>  <i>If the projector is in operation in a high heat or high altitude environment, it may shut down automatically. In this setup, you can enable the <b>High Altitude</b> function by selecting <b>High</b> and setting the fan to operate at a higher speed to maintain proper cooling levels on the projector.</i></p>

## ALIGNMENT Menu



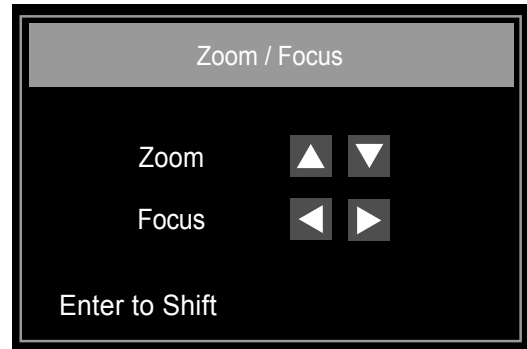
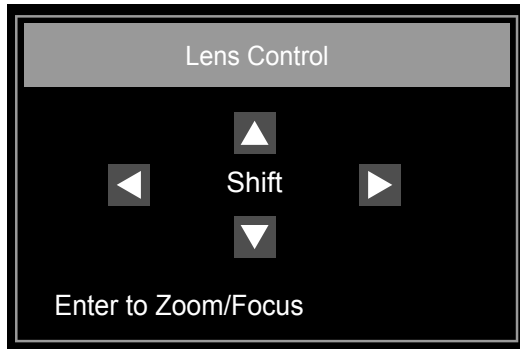
Label	Description
Projection Mode	Press ◀ or ▶ to select a projection mode. The options are <b>Front Tabletop</b> , <b>Front Ceiling</b> , <b>Rear Tabletop</b> and <b>Rear Ceiling</b> .
Lens Control	Press <b>ENTER</b> to enter the <b>Lens Control</b> menu. See “ <a href="#">Lens Control Menu</a> ” on page 55.
Lens Memory	Press <b>ENTER</b> to enter the <b>Lens Memory</b> menu. See “ <a href="#">Lens Memory Menu</a> ” on page 56.
Center Lens	<p>Press <b>ENTER</b> to set the lens to the default center position.</p> <div data-bbox="772 1182 1182 1301" data-label="Image"> <p>The dialog box is titled 'Center Lens ?' and contains two buttons: 'OK' and 'Cancel' (highlighted with a yellow border).</p> </div> <p><b>Note:</b>  <i>Calibrate the lens whenever a lens is mounted on the projector.</i></p>
Geometry	Press <b>ENTER</b> to enter the <b>Geometry</b> menu. See “ <a href="#">Geometry Menu</a> ” on page 57.
Edge Blend	Press <b>ENTER</b> to enter the <b>Edge Blend</b> menu. See “ <a href="#">Edge Blend Menu</a> ” on page 62.



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## Lens Control Menu

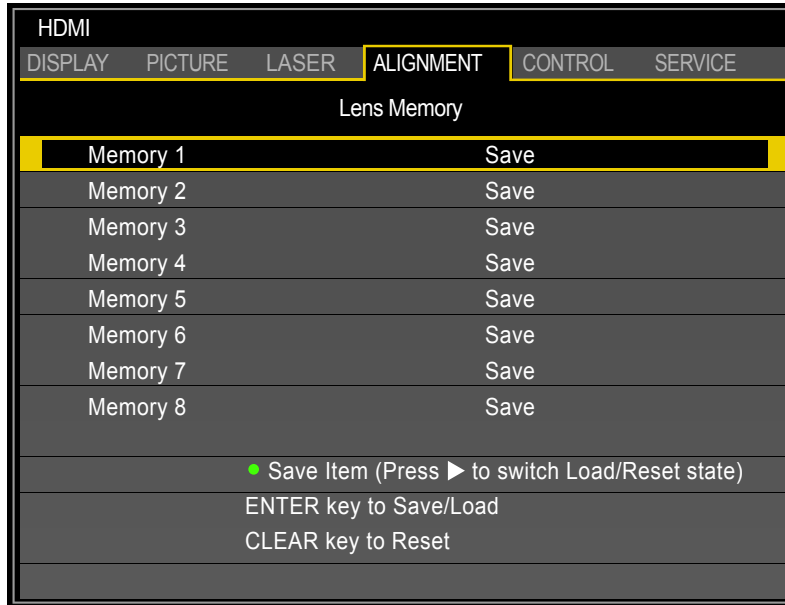
Switch between **Lens Shift**, **Zoom/Focus** menus by pressing **ENTER** button.



Label	Description
Zoom	Press ▲ or ▼ to adjust zooming of the lens.
Focus	Press ◀ or ▶ to adjust focusing of the lens.
Lens Shift V	Press ▲ or ▼ to adjust horizontal shift of the lens.
Lens Shift H	Press ◀ or ▶ to adjust vertical shift of the lens.

## Lens Memory Menu

The projector can save information about the lens position in memory. Up to eight sets of lens information (including focus, zoom, and lens shift settings) can be saved, and the lens can be restored to these positions.

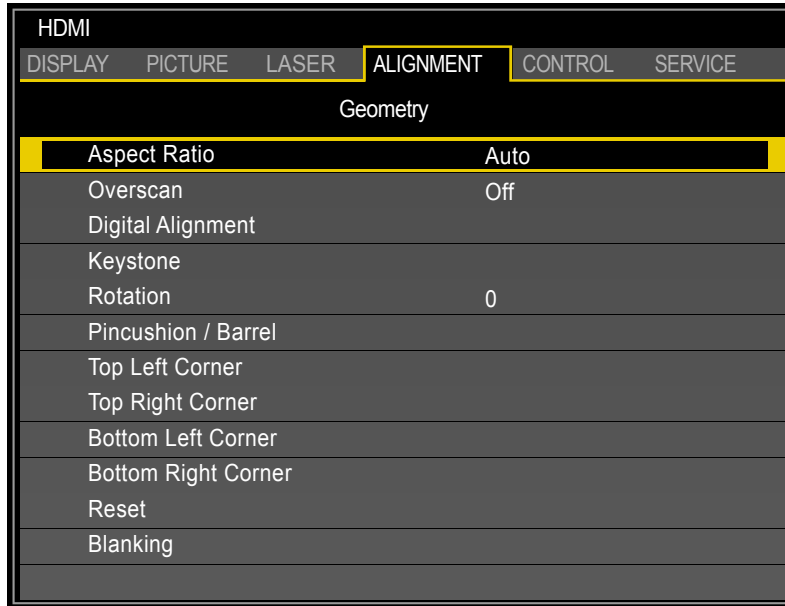


Label	Description																																																																	
Memory 1 ~ 8	<p>Press ▲ or ▼ to select, press <b>ENTER</b> to save settings and open the keyboard. Press ▲, ▼, ◀ or ▶ and <b>ENTER</b> to select or confirm the setting.</p> <div data-bbox="699 1077 1257 1429" style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">Lens Memory</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="border: 2px solid yellow;">1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>0</td><td>Backspace</td> </tr> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td><td>K</td><td>L</td><td>M</td> </tr> <tr> <td>N</td><td>O</td><td>P</td><td>Q</td><td>R</td><td>S</td><td>T</td><td>U</td><td>V</td><td>W</td><td>X</td><td>Y</td><td>Z</td> </tr> <tr> <td colspan="2">+</td><td colspan="2">-</td><td colspan="2">*</td><td colspan="2">/</td><td colspan="2">_</td><td colspan="2">@</td><td>:</td><td>.</td><td>&amp;</td> </tr> <tr> <td colspan="4">ESC</td><td colspan="5"></td><td colspan="4">Accept</td> </tr> </table> </div> <p>Press ▶ to switch to <b>Reset</b> and press <b>CLEAR</b> to reset the memory name.</p> <p><b>Note:</b> A maximum number of nine letters, numbers, symbols and spaces are allowed.</p>	1	2	3	4	5	6	7	8	9	0	Backspace	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	+		-		*		/		_		@		:	.	&	ESC									Accept			
1	2	3	4	5	6	7	8	9	0	Backspace																																																								
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**Note:**

- When saved lens positions are restored, images may be projected in a slightly different position than the saved position.
- When precise positioning is needed, use lens shift, zoom, and focus functions for fine adjustment.


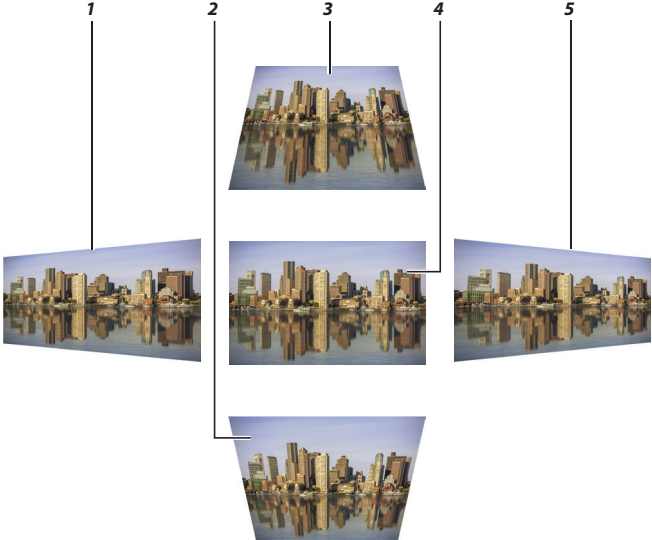
## Geometry Menu



Label	Description
Aspect Ratio	<p>Press ◀ or ▶ to adjust the aspect of the projected image.</p> <p><b>5:4:</b> The image is projected using an input signal aspect ratio of 5:4. Select <b>5:4</b> if an image of 5:4 aspect ratio cannot be correctly projected in <b>Auto</b> mode.</p> <p><b>4:3:</b> The image is projected using an input signal aspect ratio of 4:3. Select <b>4:3</b> if an image of 4:3 aspect ratio cannot be correctly projected in <b>Auto</b> mode.</p> <p><b>16:10:</b> The image is projected using an input signal aspect ratio of 16:10. Select <b>16:10</b> if an image of 16:10 aspect ratio cannot be correctly projected in <b>Auto</b> mode.</p> <p><b>16:9:</b> The image is projected using an input signal aspect ratio of 16:9. Select <b>16:9</b> if an image of 16:9 aspect ratio cannot be correctly projected in <b>Auto</b> mode.</p> <p><b>1.88:</b> The image is projected using an input signal aspect ratio of 1.88:1. Select <b>1.88:1</b> if an image of 1.88:1 aspect ratio cannot be correctly projected in <b>Auto</b> mode.</p> <p><b>2.35:</b> The image is projected using an input signal aspect ratio of 2.35:1. Select <b>2.35:1</b> if an image of 2.35:1 aspect ratio cannot be correctly projected in <b>Auto</b> mode.</p> <p><b>Letterbox:</b> The image of a letterbox signal is stretched equally in the horizontal and vertical directions to fit the screen. Parts of the displayed image are cropped at the top and bottom edges and therefore not visible.</p> <p><b>Auto:</b> An image is projected at the aspect ratio of the input signal. Select this mode for normal image projection.</p> <p><b>True Size:</b> The image is projected with the original resolution of the input signal. Select this to clearly project a computer screen image that has a resolution of WUXGA or lower.</p>
Overscan (*1) (*2)	Press ◀ or ▶ to hide edge of the projected image to damage the noise appear. The options are <b>Off</b> , <b>Crop</b> and <b>Zoom</b> .
Digital Alignment (*1)	Press <b>ENTER</b> to enter the <b>Digital Alignment</b> menu. See “ <a href="#">Digital Alignment Menu</a> ” on page 61.

(\*1) This function is grayed-out and unusable when in 3D projection. Additionally, settings made in 2D projection will be reset (turned to 0) when 3D projection is turned on.

(\*2) If there's black band or noise surrounding the image of analog input, set **Overscan** to **Crop**.


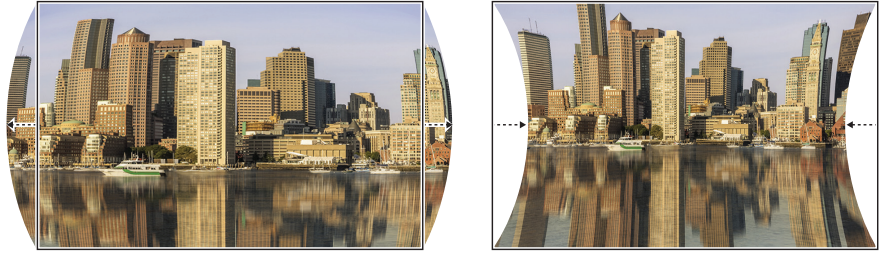

Label	Description
Keystone	<p>Press ▲, ▼, ◀ or ▶ to adjust horizontal or vertical distortion brought by the projection angle.</p> <p><b>Keystone Example</b></p> <ol style="list-style-type: none"> <li>1. The projector is positioned at an angle.</li> <li>2. The resulting image is distorted.</li> <li>3. The image is corrected.</li> </ol>  <p><b>Keystone Settings</b></p> <ol style="list-style-type: none"> <li>1. To correct the right side of the image The projector is positioned to the left of the screen. To correct, apply a positive Horizontal Keystone value pressing ▶.</li> <li>2. To correct the top of the image The projector is positioned below the screen at an upward angle. To correct, apply a positive Vertical Keystone value pressing ▲.</li> <li>3. To correct the bottom of the image The projector is positioned above the screen at a downward angle. To correct, apply a negative Vertical Keystone value pressing ▼.</li> <li>4. Projector straight The projector is directly opposite the screen at a right angle both horizontally and vertically. No correction is needed.</li> <li>5. To correct the left side of the image The projector is positioned to the right of the screen. To correct, apply a negative Horizontal Keystone value pressing ◀.</li> </ol>  <p style="text-align: center;"><b>Horizontal and vertical keystone corrections</b></p>

**Note:**

Following functions cannot be used at the same time:

*Digital Alignment, Keystone, Rotation, Pincushion / Barrel and Corner adjustment*

*When a different function is selected, the previously set function is canceled.*

Label	Description
Rotation	Press ◀ or ▶ to rotate the image until it is good position.
Pincushion / Barrel	<p>Press <b>ENTER</b> to enter the <b>Pincushion / Barrel</b> menu. Press ▲, ▼, ◀ or ▶ to correct the pincushion distortion.</p> <p><b>Top / Bottom Example</b></p>  <p><b>Left / Right Example</b></p> 
Top Left Corner	<p>Apply horizontal / vertical correction as necessary to restore the rectangular shape of the image.</p> <p>Press <b>ENTER</b> to enter the <b>Top Left Corner</b> menu. Press ▲, ▼, ◀ or ▶ to correct the distortion.</p> <p><b>Top Left Corner Example</b></p>  <p><b>Top Left Corner correction</b></p>
Top Right Corner	<p>Apply horizontal / vertical correction as necessary to restore the rectangular shape of the image.</p> <p>Press <b>ENTER</b> to enter the <b>Top Right Corner</b> menu. Press ▲, ▼, ◀ or ▶ to correct the distortion.</p>
Bottom Left Corner	<p>Apply horizontal / vertical correction as necessary to restore the rectangular shape of the image.</p> <p>Press <b>ENTER</b> to enter the <b>Bottom Left Corner</b> menu. Press ▲, ▼, ◀ or ▶ to correct the distortion.</p>

**Note:**

*Following functions cannot be used at the same time:*

*Digital Alignment, Keystone, Rotation, Pincushion / Barrel and Corner adjustment*

*When a different function is selected, the previously set function is canceled.*

Label	Description
Bottom Right Corner	Apply horizontal / vertical correction as necessary to restore the rectangular shape of the image. Press <b>ENTER</b> to enter the <b>Bottom Right Corner</b> menu. Press ▲, ▼, ◀ or ▶ to correct the distortion.
Reset	Press <b>ENTER</b> to set to the default value.
Blanking	Press <b>ENTER</b> to enter the <b>Blanking</b> menu. Press ▲, ▼, ◀ or ▶ to adjust the display area. Press ▲ or ▼ to select <b>Reset</b> and press <b>ENTER</b> to set the settings to the default values.

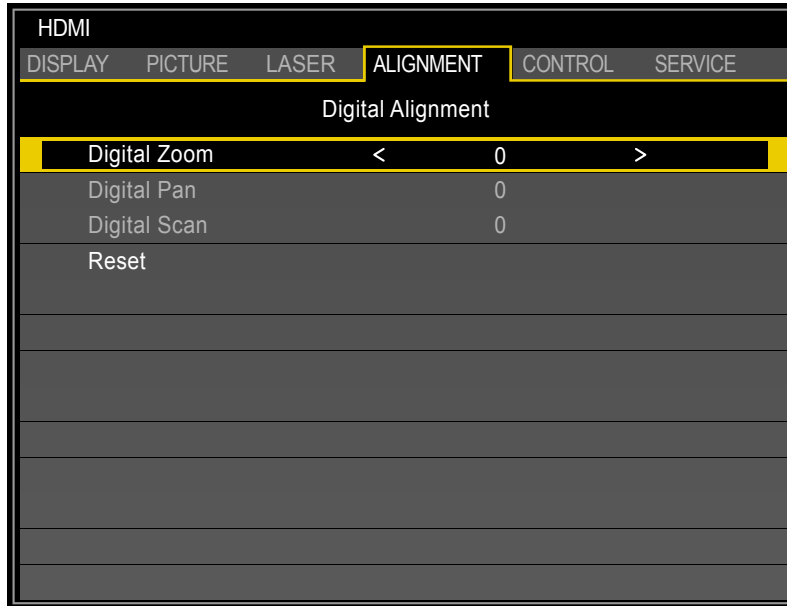
**Note:**




*Following functions cannot be used at the same time:*

*Digital Alignment, Keystone, Rotation, Pincushion / Barrel and Corner adjustment*

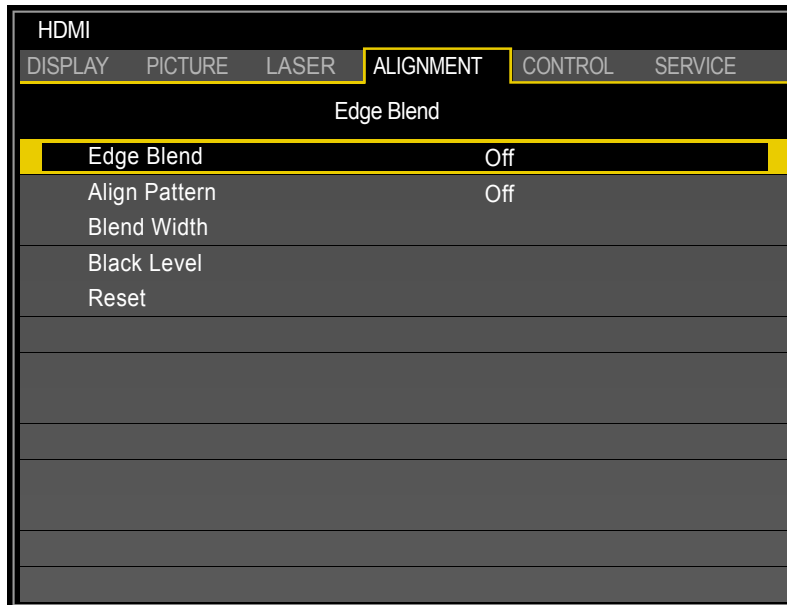
*When a different function is selected, the previously set function is canceled.*

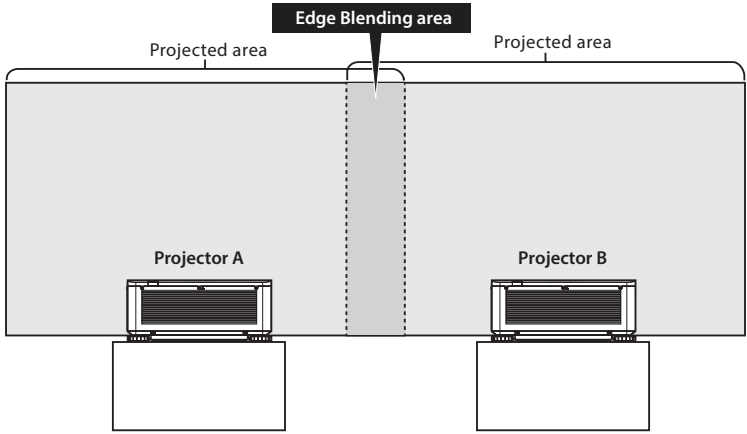
## Digital Alignment Menu



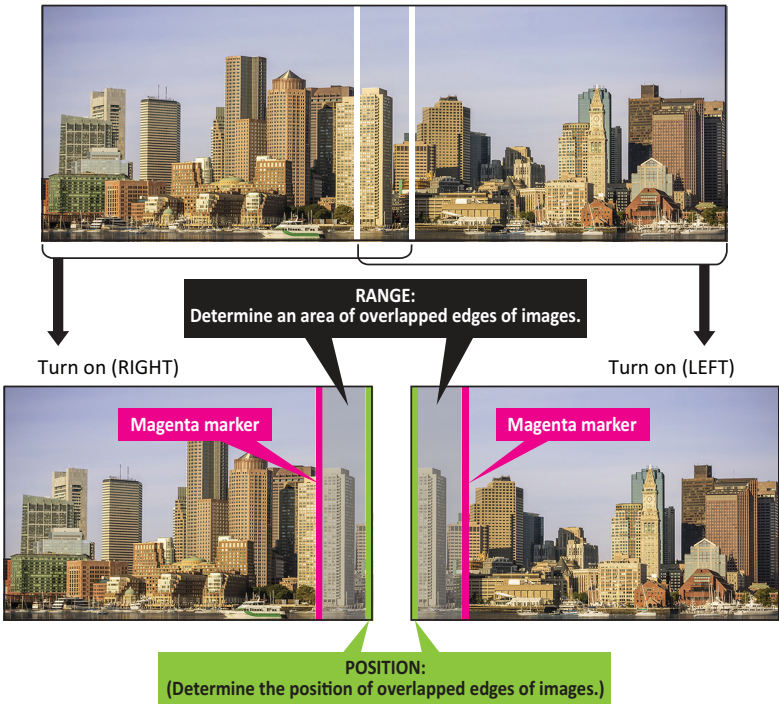
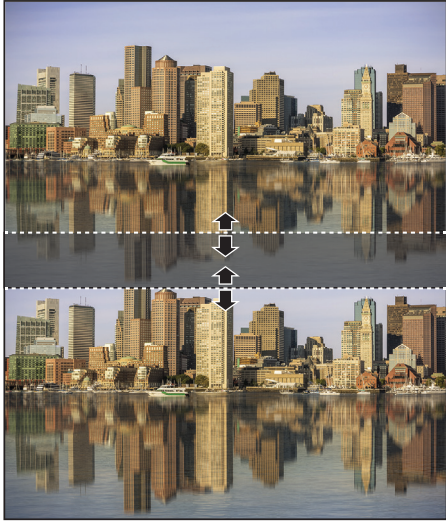

Label	Description
Digital Zoom	<p>Press ◀ or ▶ to enlarge the projected image.</p> 
Digital Pan	<p>Press ◀ or ▶ to move the projected image horizontally. The function is only available when the image is enlarged.</p> 
Digital Scan	<p>Press ◀ or ▶ to move the projected image vertically. The function is only available when the image is enlarged.</p> 
Reset	Press <b>ENTER</b> to set to the default value.

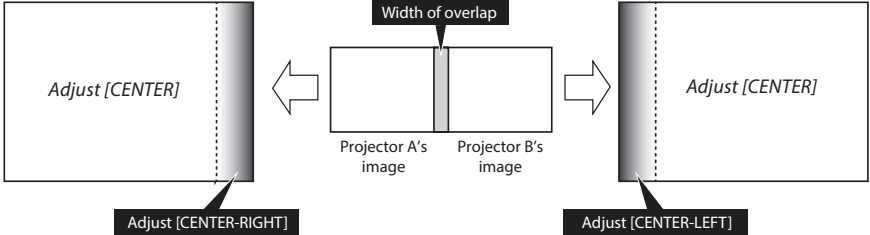
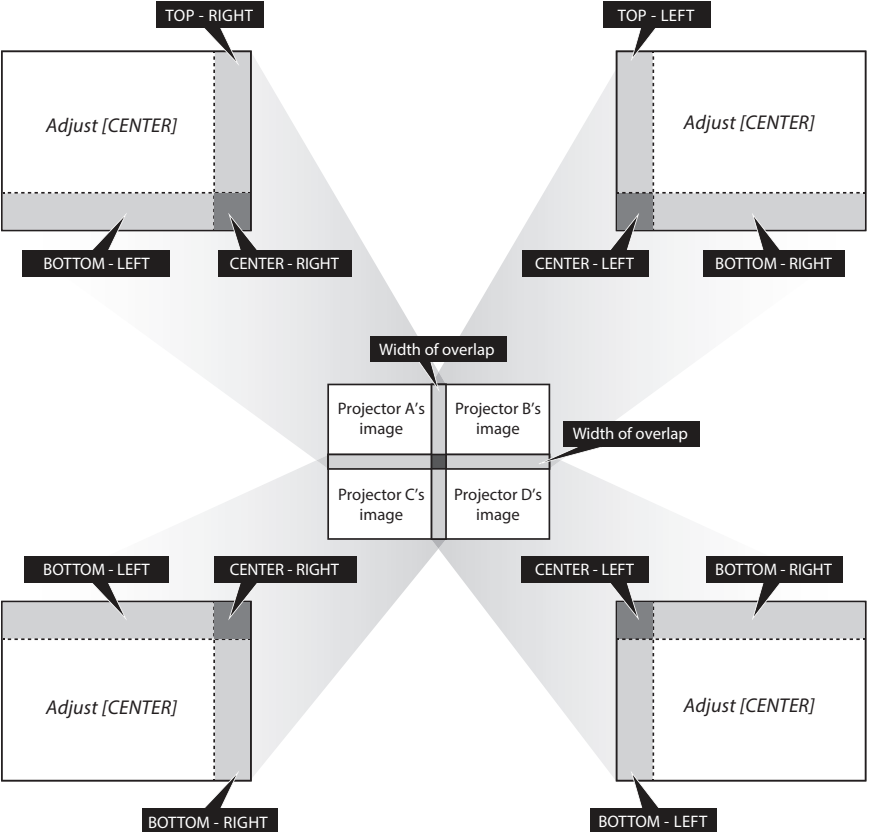
Edge Blend Menu

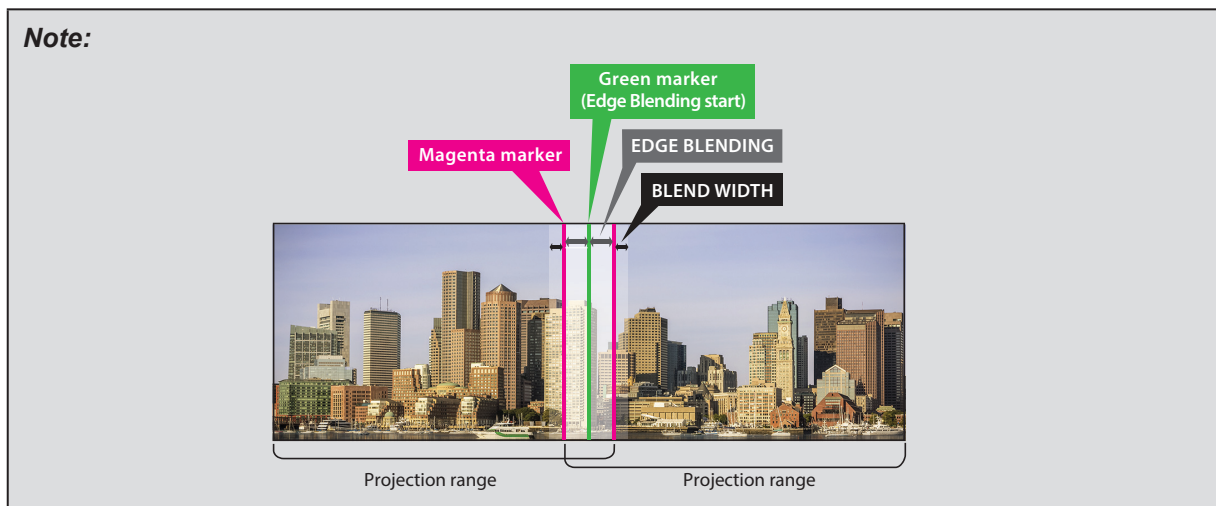


Label	Description
Edge Blend	<p>By combining multiple projectors, a high resolution video can be projected on an even bigger screen using the <b>Edge Blend</b> function.</p> <p>Press ◀ or ▶ to enable or disable the edge blend function.</p> <p><b>Placing two projectors side by side</b></p>  <p>The diagram illustrates two projectors, Projector A and Projector B, positioned side-by-side. Each projector projects a rectangular area onto a screen. The overlapping region between the two projected areas is shaded and labeled 'Edge Blending area'. The individual projected areas are also labeled 'Projected area'.</p>



Label	Description
Align Pattern	<p>Make the overlaps more visible and help adjusting the physical position of the projectors in the array.            Press ◀ or ▶ to enable or disable the align pattern function.</p> 
Blend Width	<p>Press <b>ENTER</b> to enter the <b>Blend Width</b> menu. Press ▲, ▼, ◀ or ▶ to adjust settings.</p> <p><b>Top / Bottom Example</b></p>  <p><b>Left / Right Example</b></p> 

Label	Description
Black Level	<p>Press <b>ENTER</b> to enter the <b>Black Level</b> menu. Press <b>▲</b>, <b>▼</b>, <b>◀</b> or <b>▶</b> to adjust settings.</p> <p><b>Adjusting the Black Level when placing two projectors side by side</b></p>  <p><b>Adjusting the Black Level when placing four projectors side by side (Blend Along Corners)</b></p> 
Reset	Press <b>ENTER</b> to set to the default value.



### Possible Geometry and Edge Blend Combinations

Some **Geometry** and **Edge Blend** settings cannot be used in combination with others. The table below shows the possible combinations:

		Warping					Blending		
		Keystone	Rotation	Pincushion / Barrel	4-Corners	Blanking	White Level	Black Level	
							Top/Bottom or Left/Right Only	Adjust	
<b>Warping</b>	<b>Keystone</b>	-	X	X	X	O	O	O	
	<b>Rotation</b>	X	-	X	X	O	O	O	
	<b>Pincushion / Barrel</b>	X	X	-	X	O	O	O	
	<b>4-Corners</b>	X	X	X	-	O	O	O	
	<b>Blanking</b>	O	O	O	O	-	O	O	
<b>Blending</b>	<b>White Level</b>	<b>Top/Bottom or Left/Right Only</b>	O	O	O	O	O	-	O
	<b>Black Level</b>	<b>Adjust</b>	O	O	O	O	O	O	-

O: Possible

X: Not possible

## CONTROL Menu

HDMI					
DISPLAY	PICTURE	LASER	ALIGNMENT	CONTROL	SERVICE
Network					
Auto Power Off				Off	
Direct Power On				Off	
Startup Logo				On	
Trigger				Off	
Auto Search				Off	
Dynamic Black				Off	
Language					
Control ID					

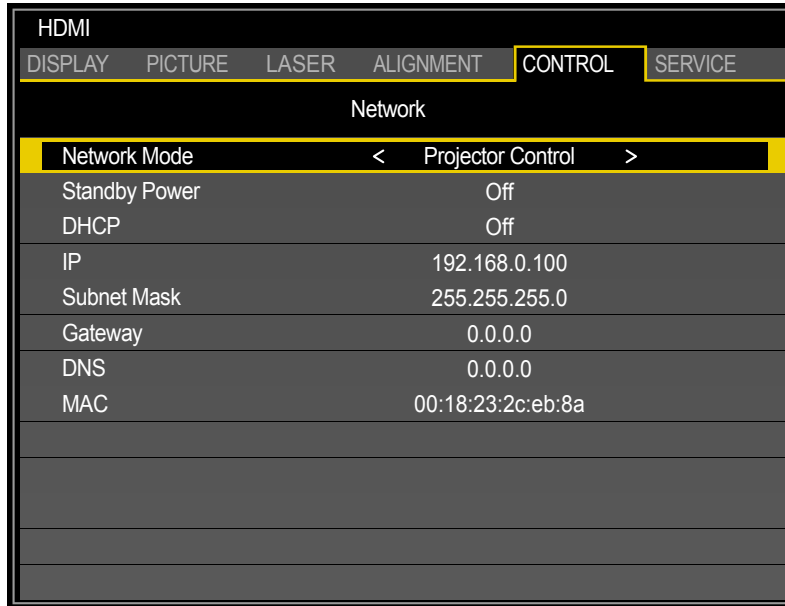
Label	Description
Network	Press <b>ENTER</b> to enter the <b>Network</b> menu. See “ <a href="#">Network Menu</a> ” on page 67.
Auto Power Off	Press ◀ or ▶ to enable or disable turning off the projector when no input signal is received within 15 minutes.
Direct Power On	Press ◀ or ▶ to enable or disable turning on the projector when connect to an AC power.
Startup Logo	Press ◀ or ▶ to enable or disable the Startup Logo.
Trigger	Press ◀ or ▶ to enable or disable turning on the screen when the projector is powered on.
Auto Search	Press ◀ or ▶ to enable or disable auto search function.
Dynamic Black*	Press ◀ or ▶ to enable or disable dynamic black function
Language	Press <b>ENTER</b> to enter the <b>Language</b> menu. Press ▲ or ▼ to select the language of OSD menu. The options are <b>English, Français, Español, Deutsch, Português, Nederlands, Italiano, русский, 简体中文, 繁體中文, 한국어</b> and <b>日本語</b> .
Control ID	Press <b>ENTER</b> to enter the <b>Control ID</b> menu. See “ <a href="#">Control ID Menu</a> ” on page 76.

\* Optimizes the contrast depending on the brightness of each scene by adjusting laser output automatically based on the brightness data from the input signal.

**Note:**

*The laser output turns off when the brightness of the input signal drops to a certain level.*

## Network Menu



Label	Description
Network Mode	Press ◀ or ▶ to select the network control. The options are <b>Projector Control</b> and <b>Service</b> .
Standby Power (*1)	Press ◀ or ▶ to enable or disable the standby power function.
DHCP (*2)	Press ◀ or ▶ to enable or disable DHCP setting.
IP	Press <b>ENTER</b> to adjust the setting. Press ◀ or ▶ to select the number in the address and press ▲ or ▼ to increase or decrease the selected number. <div data-bbox="678 1146 1273 1601" data-label="Image"> <p>This screenshot shows the same Network menu as above, but with the IP address field highlighted. The IP address is 192.168.0.100, and the digit '9' is selected for adjustment.</p> </div>
Subnet mask	Use it to set the subnet mask. The input method is same as the IP address.
Gateway	Use it to set the gateway. The input method is same as the IP address.
DNS	Use it to set the DNS. The input method is same as the IP address.
MAC	Displays the current MAC address.

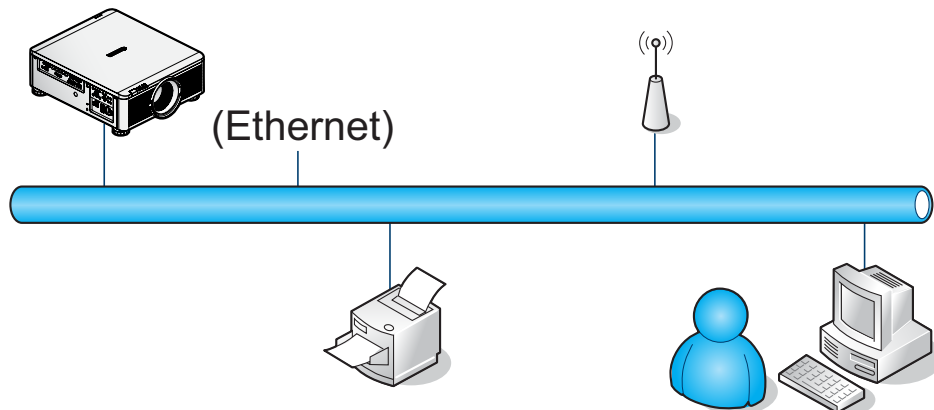
(\*1) During standby, this must be set to On when controlling the projector via LAN or HDBaseT. Also, the only control command that can be received during standby is Power On.

(\*2) The function is only available when **Network Mode** is **Projector Control**.

---

For simplicity and ease of operation, the projector provides diverse networking and remote management features.

The LAN/RJ45 function of the projector through a network, such as remotely manage: Power On/Off, Brightness and Contrast settings. Also, projector status information, such as: Video-Source, etc.



The projector can be controlled by a PC (Laptop) or other external device with connecting to the projector's LAN/RJ45 port.

### Wired LAN Terminal Functionalities

Remote control and monitoring of a projector from a PC (or Laptop) via wired LAN is also possible. Compatibility with Crestron / AMX (Device Discovery) / Extron control boxes enables not only collective projector management on a network but also management from a control panel on a PC (or Laptop) browser screen.

- Crestron is a registered trademark of Crestron Electronics, Inc. of the United States.
- Extron is a registered trademark of Extron Electronics, Inc. of the United States.
- AMX is a registered trademark of AMX LLC of the United States.

**Note:**

*There is a limitation of power on/off control sequence in Network mode. It must take around 8~9 sec after executing the power on command, regardless over the keypad, remote or IP.*

### Supported External Devices

This projector is supported by the specified commands of the Crestron Electronics controller and related software (ex, RoomView®).

<http://www.crestron.com/>

This projector is supported by AMX (Device Discovery).

<http://www.amx.com/>

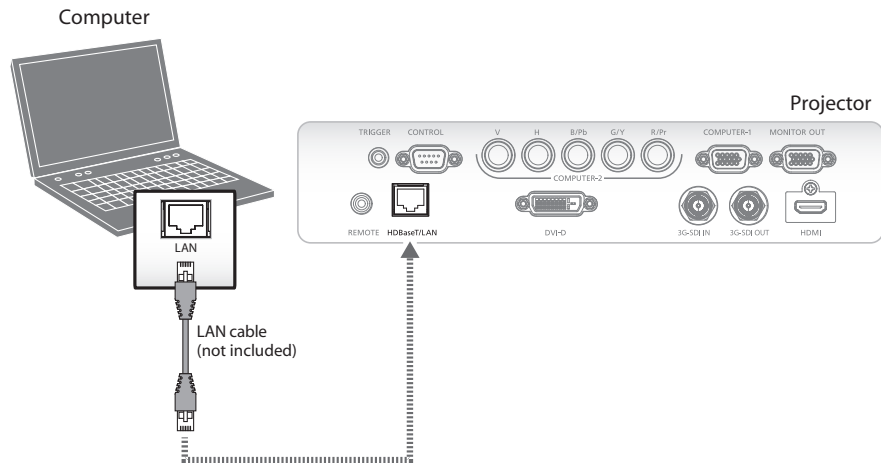
This projector is compliant to support Extron device(s) for reference.

<http://www.extron.com/>

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## LAN RJ45

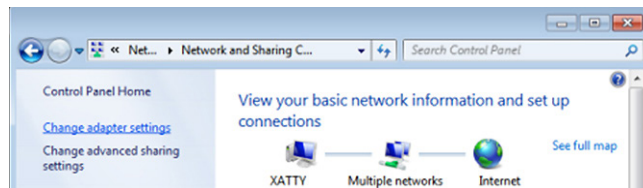
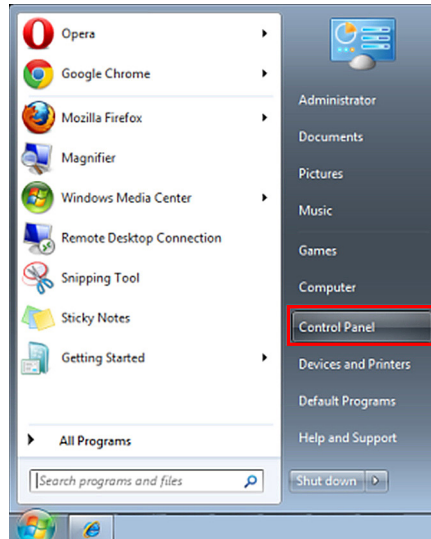
1. Connect an LAN cable to the RJ45 port on the projector and the PC (Laptop).



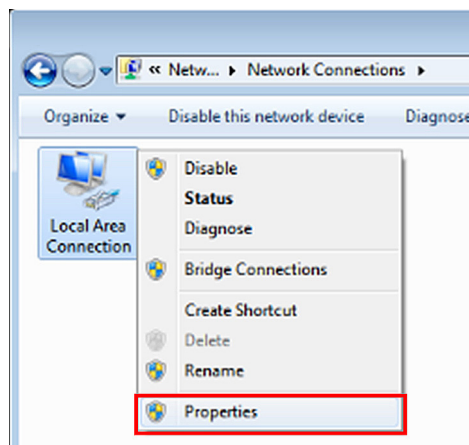
Compatible browsers are as follows.

Microsoft Internet Explorer 9 with Adobe Flash Player 9.0 or higher.

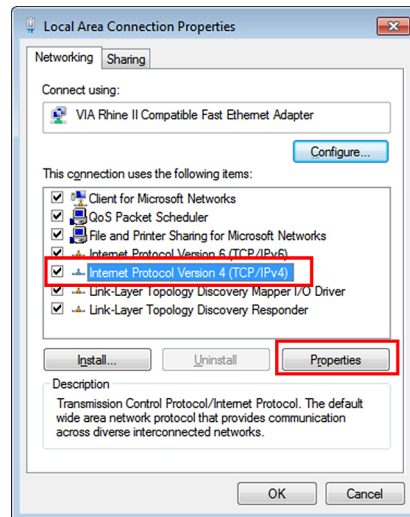
2. On the PC (Laptop), select **Start** → **Control Panel** → **Network and Internet**.



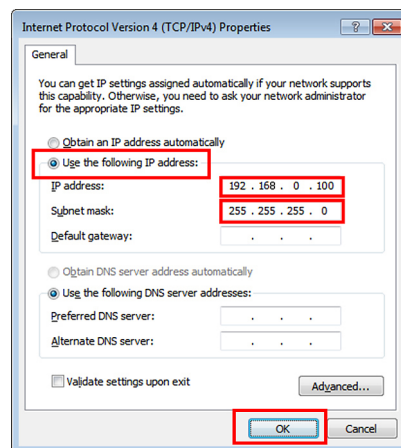
3. Right-click on **Local Area Connection**, and select **Properties**.



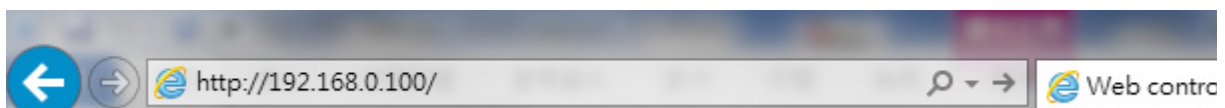
- In the **Properties** window, select the **Networking** tab, and select **Internet Protocol (TCP/IP)**.
- Click **Properties**.



- Click **Use the following IP address** and fill in the IP address and Subnet mask, then click **OK**.



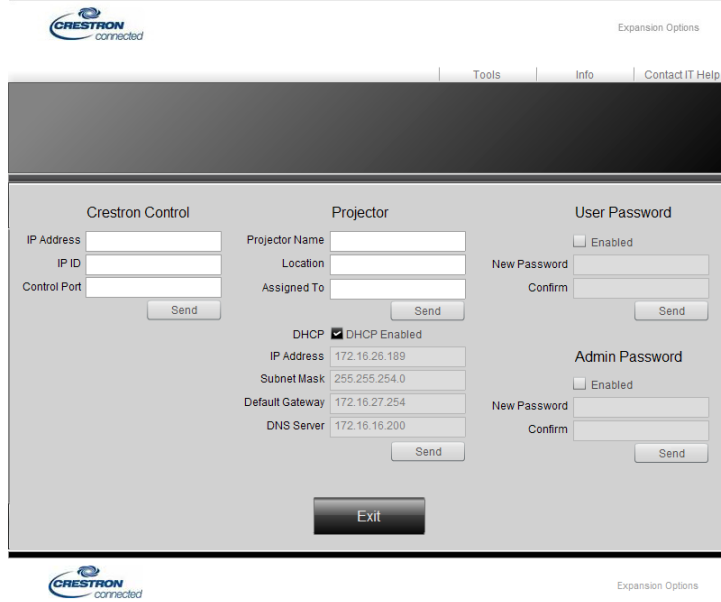
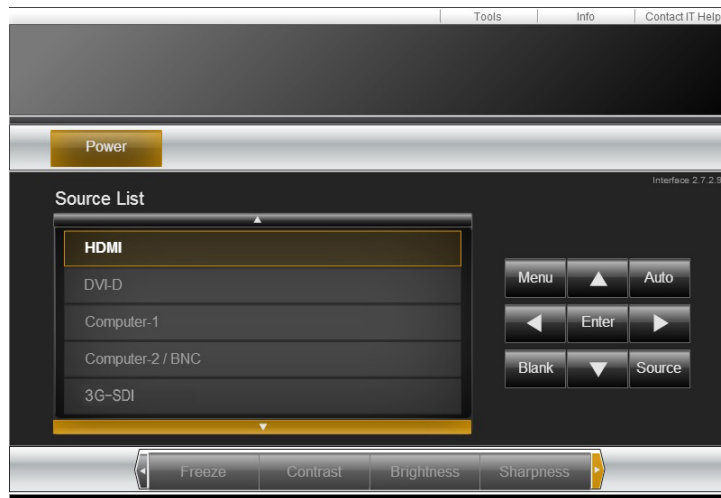
- Press the **Menu** button on the projector.
- Select **CONTROL** → **Network**.
- In **Network**, input the following:
  - IP Address: 192.168.0.100
  - Subnet Mask: 255.255.255.0
  - Gateway: 0.0.0.0
  - DHCP: Off
- Press **OK** to confirm settings.
- Open a web browser (for example, Microsoft Internet Explorer with Adobe Flash Player 9.0 or higher).
- In the Address bar, input the IP address: 192.168.0.100.
- Press **OK**.





The projector is setup for remote management. The LAN/RJ45 function displays as follows.

Based on network web-page for the input-string in tools tab, the limitation for Input-Length is in the below list (“space” and the other punctuation key included):



Category	Item	Input-Length
Crestron Control	IP Address	15
	IP ID	3
	Port	5
Projector	Projector Name	25
	Location	25
	Assigned To	25
Network Configuration	DHCP (Enabled)	(N/A)
	IP Address	15
	Subnet Mask	15
	Default Gateway	15
	DNS Server	15

---

Category	Item	Input-Length
User Password	Enabled	(N/A)
	New Password	18
	Confirm	18
Admin Password	Enabled	(N/A)
	New Password	18
	Confirm	18

For more information, please visit <http://www.crestron.com/>.

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## RS232 by Telnet Function

Besides projector connected to RS232 interface with “Hyper-Terminal” communication by dedicated RS232 command control, there is alternative RS232 command control way, so called “RS232 by TELNET” for LAN/RJ45 interface.

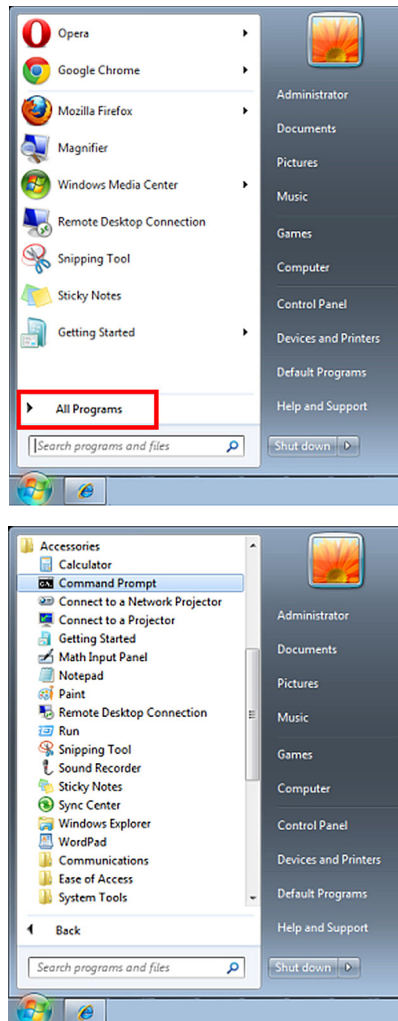
### Quick Start Guide for “RS232 by TELNET”

Check and get the IP address on OSD of the projector.

Make sure that laptop/PC can access the web-page of the projector.

Make sure that “Windows Firewall” setting to be disabled in case of “TELNET” function filtering out by laptop/PC.

**Start → All Programs → Accessories → Command Prompt**



Input the command format as seen in the following:

**telnet ttt.xxx.yyy.zzz 7000** (“Enter” key pressed)

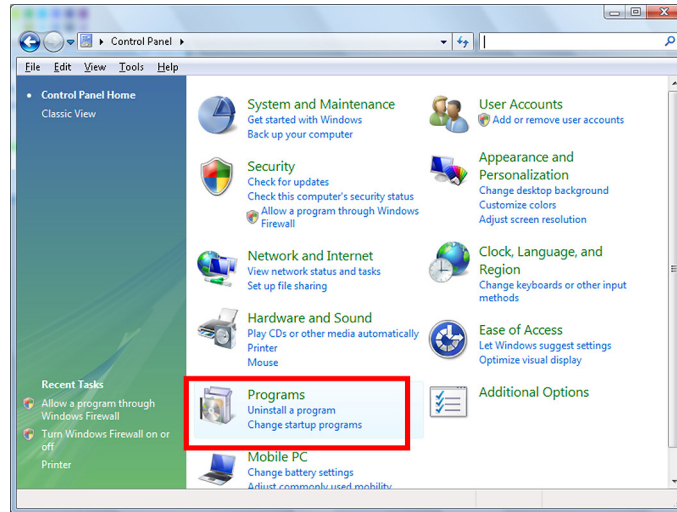
(**ttt.xxx.yyy.zzz**: IP address of the projector)

If Telnet-Connection ready, and user can have RS232 command input, then “Enter” key pressed, the RS232 command will be workable.

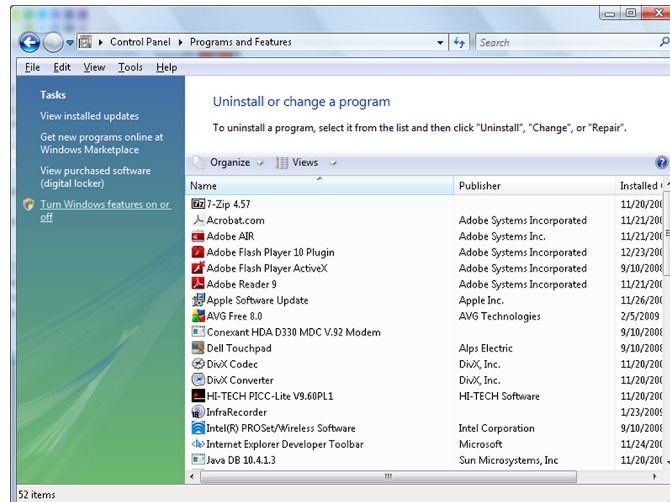
## How to have TELNET enabled in Windows VISTA / 7

By default installation for Windows VISTA, "TELNET" function is not included. But end-user can have it by way of "Turn Windows features On or Off" to be enabled.

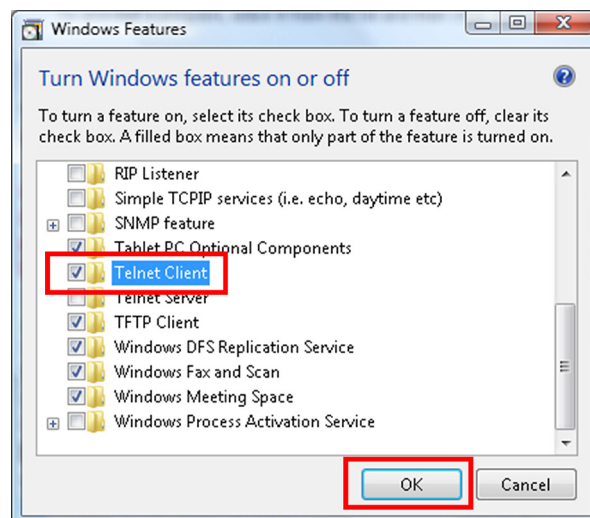
1. Open **Control Panel** in Windows VISTA.



2. Open **Programs**.



3. Select **Turn Windows features on or off** to open.
4. Have **Telnet Client** option checked, then press **OK** button.

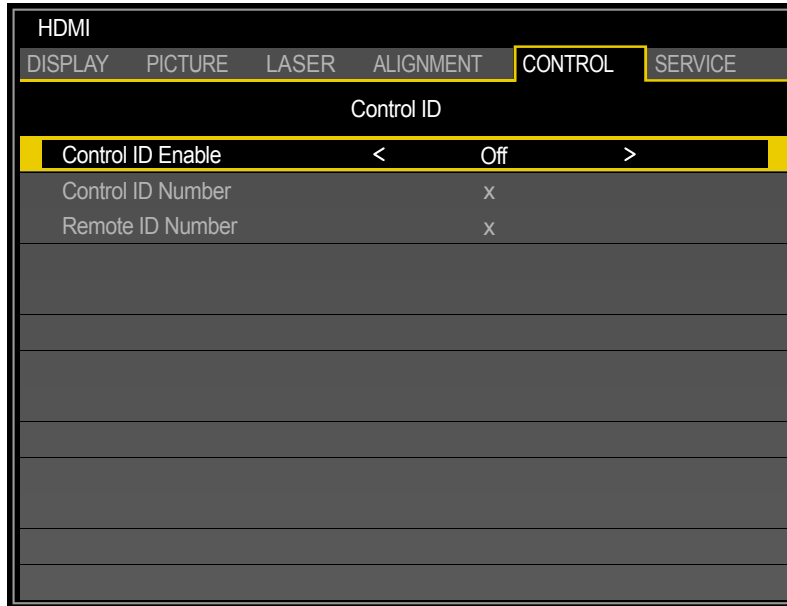


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## Specsheet for “RS232 by TELNET”:

- Telnet: TCP
  - Telnet port: 7000
  - Telnet utility: Windows “TELNET.exe” (console mode)
  - Disconnection for RS232-by-Telnet control normally: Close Windows Telnet utility directly after TELNET connection ready
  - Limitation 1 for Telnet-Control: there is only one connection for Telnet-Control in one projector
  - Limitation 2 for Telnet-Control: there is less than 50 bytes for successive network payload for Telnet-Control application.
  - Limitation 3 for Telnet-Control: there is less than 26 bytes for one complete RS232 command for Telnet-Control.
  - Limitation 4 for Telnet-Control: Minimum delay for next RS232 command must be more than 200 (ms).
- (\* In Windows built-in “TELNET.exe” utility, “Enter” key pressed will have “Carriage-Return” and “New-Line” code.)

## Control ID Menu



Label	Description
Control ID Enable*	Press ◀ or ▶ to enable or disable control ID.
Control ID Number	Press ◀ or ▶ to set the control number for the projector. The function is only available when <b>Control ID Enable</b> is <b>On</b> . Press <b>ENTER</b> to apply Control ID setting. <div style="border: 1px solid black; padding: 5px; margin: 10px 0;">           Control ID Number      10 <input type="text"/> </div>

\* To operate multiple projectors independently, set this ID function.

- “Control ID” is for a projector.
- “Remote ID” is for a remote control. See page 26.

## SERVICE Menu

### LX-MU800Z

HDMI					
DISPLAY	PICTURE	LASER	ALIGNMENT	CONTROL	SERVICE
Model Name	LX-MU800Z				
Serial Number	DDE300001A				
Software Version 1	MM01-SD07-FD19				
Software Version 2	LD06-22-RP02-3092				
Control / Remote ID	X / X				
Active Source	HDMI				
Signal Format	1920x1200 60Hz RB				
Pixel Clock	154.00 MHz				
H/V Refresh Rate	74.038 KHz / 59.95 Hz				
Laser Hours	000100 HRS				
Thermal Status					
Factory Reset					

Label	Description
Model Name	Displays the projector model name.
Serial Number	Displays the projector serial number.
Software Version 1	Displays the version of the installed software part I in the projector.
Software Version 2	Displays the version of the installed software part II in the projector.
Control / Remote ID	Display the control ID / Remote ID.
Active Source	Displays the connected input signal.
Signal Format	Displays the signal format of the connected input signal.
Pixel Clock	Displays the pixel clock of the connected input signal.
H/V Refresh Rate	Displays the H/V refresh rate of the projected image.
Laser Hours	Displays the usage time of the projector.
Thermal Status	Press <b>ENTER</b> to enter the <b>Thermal Status</b> menu. See " <a href="#">Thermal Status Menu</a> " on page 79.
Factory Reset	<p>Press <b>ENTER</b> to restore the OSD to the default settings.</p> <p><b>Note:</b>  <b>Factory Reset will not reset the following settings.</b></p> <ul style="list-style-type: none"> <li>■ <i>High Altitude</i></li> <li>■ <i>Projection Mode</i></li> <li>■ <i>Center Lens</i></li> <li>■ <i>Network</i></li> <li>■ <i>Language</i></li> <li>■ <i>Laser Hours</i></li> </ul>

## LX-MU600Z

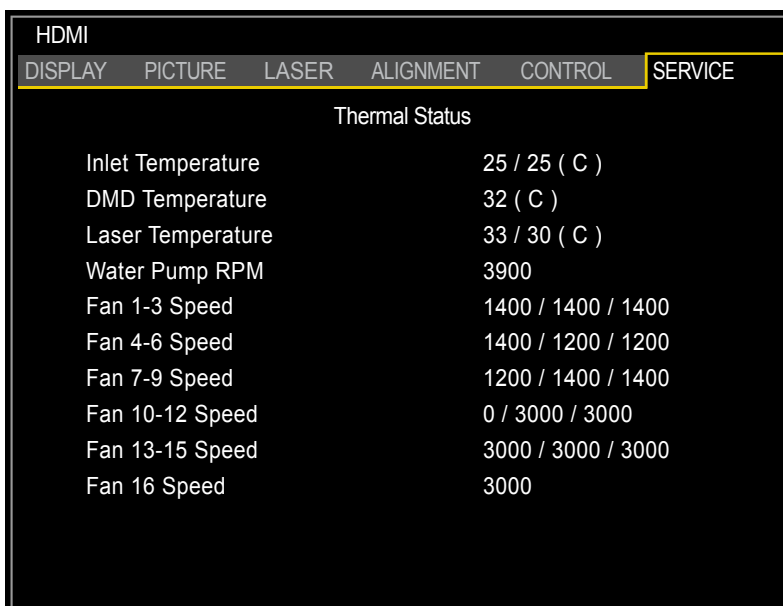
HDMI					
DISPLAY	PICTURE	LASER	ALIGNMENT	CONTROL	SERVICE
Model Name	LX-MU600Z				
Serial Number	DEE300001A				
Software Version 1	MM01-SD07-FD19				
Software Version 2	LD06-22-RP02-3092				
Control / Remote ID	X / X				
Active Source	HDMI				
Signal Format	1920x1200 60Hz RB				
Pixel Clock	154.00 MHz				
H/V Refresh Rate	74.038 KHz / 59.95 Hz				
Laser Hours	000100 HRS				
Thermal Status					
Factory Reset					

Label	Description
Model Name	Displays the projector model name.
Serial Number	Displays the projector serial number.
Software Version 1	Displays the version of the installed software part I in the projector.
Software Version 2	Displays the version of the installed software part II in the projector.
Control / Remote ID	Display the control ID / Remote ID.
Active Source	Displays the connected input signal.
Signal Format	Displays the signal format of the connected input signal.
Pixel Clock	Displays the pixel clock of the connected input signal.
H/V Refresh Rate	Displays the H/V refresh rate of the projected image.
Laser Hours	Displays the usage time of the projector.
Thermal Status	Press <b>ENTER</b> to enter the <b>Thermal Status</b> menu. See “ <a href="#">Thermal Status Menu</a> ” on page 79.
Factory Reset	<p>Press <b>ENTER</b> to restore the OSD to the default settings.</p> <p><b>Note:</b></p> <p><b>Factory Reset will not reset the following settings.</b></p> <ul style="list-style-type: none"> <li>■ <i>High Altitude</i></li> <li>■ <i>Projection Mode</i></li> <li>■ <i>Center Lens</i></li> <li>■ <i>Network</i></li> <li>■ <i>Language</i></li> <li>■ <i>Laser Hours</i></li> </ul>



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Thermal Status Menu



Label	Description
Inlet Temperature	Display the inlet temperature.
DMD Temperature	Display the DMD temperature.
Laser Temperature	Display the laser temperature.
Water Pump RPM	Display the water pump rotation speed.
Fan 1-3 Speed	Display the fan 1-3 speed.
Fan 4-6 Speed	Display the fan 4-6 speed.
Fan 7-9 Speed	Display the fan 7-9 speed.
Fan 10-12 Speed	Display the fan 10-12 speed.
Fan 13-15 Speed	Display the fan 13-15 speed.
Fan 16 Speed	Display the fan 16 speed.

# Maintenance and Security

## Replacing the Projection Lamp

Do not attempt to replace the projection lamp yourself. Be sure to request this service from a qualified technician or contact the Canon Customer Support Center.

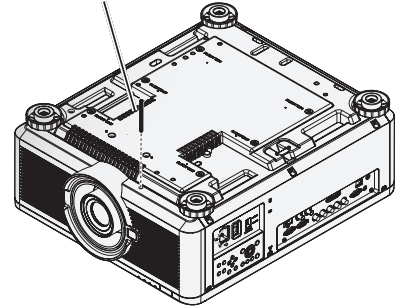
Make sure to use the exclusive optional lens.

There are following mentions in the zoom ring of the exclusive lens

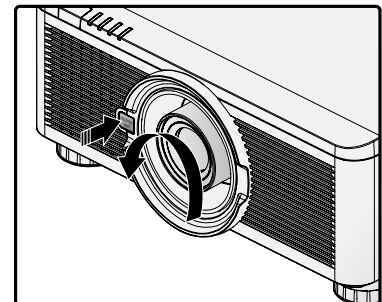
- DLP PROJECTION LENS Throw Ratio = 1.73-2.27:1 (WUXGA) (example)

1. A proper power-off procedure requires that you turn off the projector, wait for the power LED to run solid red and disconnect the power plug from the wall outlet. Failure to do so,
  - an unexpected projection of light may cause injury to eyes.
  - it may result in electric shock.
2. Remove the anti-theft screw for lens on the underside of the projector. See the following figure for a reference to the location.

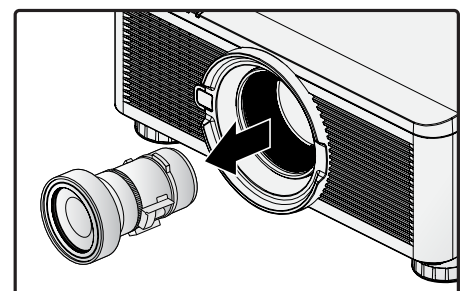
*Anti-theft screw for lens*



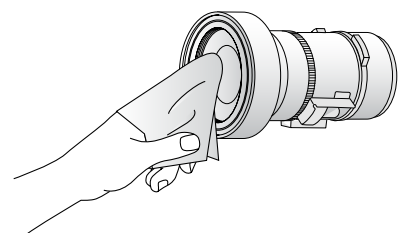
3. Press the release button and support the old lens with a hand.
4. Turn the old lens counterclockwise to loosen.



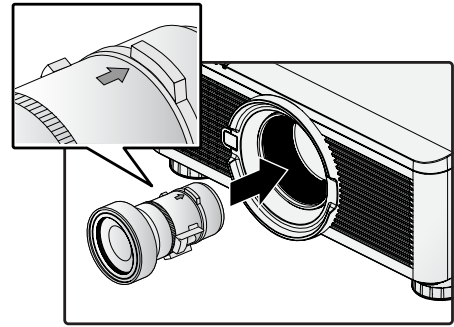
5. Remove the old lens from the holder.



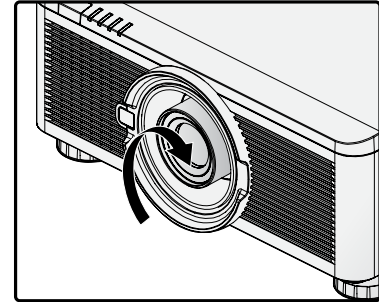
6. Clean the new lens before installing. Take care when cleaning to prevent scratching the surface of the new lens.



- 
7. Orient the lens so that the arrow on the label pasted on its side is facing upward and push the lens into the lens mount of the unit as far as it will go.



8. Turn the new lens clockwise until and audible Click is heard signifying the new lens is secured and seated correctly.



9. Gently pull on the new lens to ensure it is locked in place. If the new lens does not come off, it is seated correctly.
10. Install the anti-theft screw for lens to prevent removal of the lens. See [“Using the Anti-theft Screw for Lens”](#) on page 29.

**Note:**

- *Make sure you press and hold the release button to loosen and unlock the old lens from the projector when removing the old lens.*
- *Be sure to execute **Center Lens** after the lens is changed.*
- *Do not adjust lens manually (except LX-IL01UW).*

---

## Cleaning the Projector

Cleaning the projector to remove dust and grime will help ensure trouble-free operation.

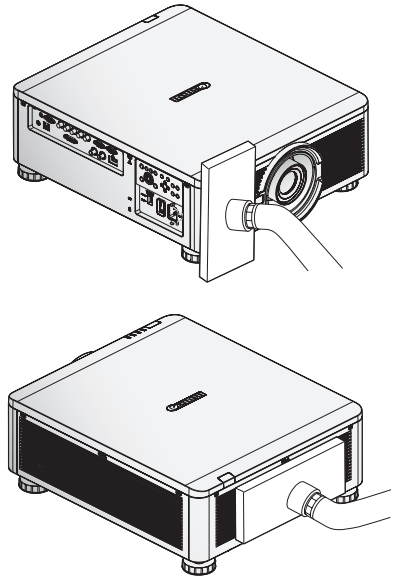
**Warning:**

Be sure to turn off the power and disconnect the power plug from the wall outlet. Failure to do so,

- an unexpected projection of light may cause injury to eyes.
- it may result in electric shock.

### Cleaning the Cabinet

1. Turn off the projector before cleaning.
2. Use a vacuum cleaner to vacuum the dust inside.
3. Use a dry soft cloth to wipe dust off the cabinet.



**Note:**

Turn on the projector after cleaning the cabinet.

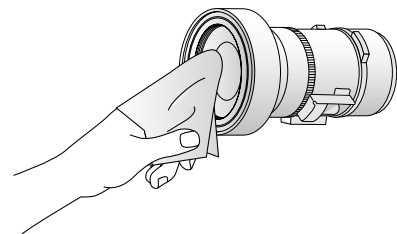
### Cleaning the Lens

You can purchase optic lens cleaner from most camera stores. Refer to the following to clean the projector lens.

**Caution:**

1. Do not use abrasive cleaners or solvents.
2. To prevent discoloration or fading, avoid getting cleaner on the projector case.

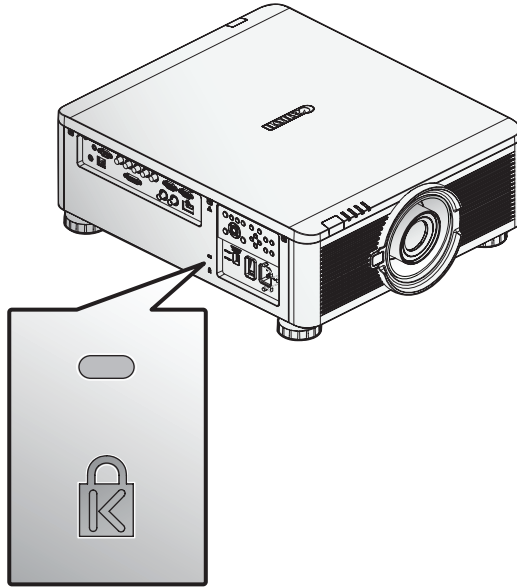
1. Turn off the projector before cleaning.
2. Apply a little optic lens cleaner to a clean soft cloth. (Do not apply the cleaner directly to the lens.)
3. Lightly wipe the lens in a circular motion.



---

## Using the Kensington® Lock

If you are concerned about security, attach the projector to a permanent object with the Kensington slot and a security cable.



**Note:**

Contact your vendor for details on purchasing a suitable Kensington security cable.

# Ceiling Attachment Installation

The ceiling attachment is used to secure the projector to the ceiling. With the ceiling attachment, the projector cannot project an image upward or downward. Please refer to this section when you assemble and install the ceiling attachment.

## Warning

Make sure the followings when you install and handle the ceiling attachment. Otherwise, it may result in fire, electric shock or injury.

- Make sure to prepare stable scaffolding when installing the ceiling attachment.
- Make sure to fully insert the power plug and connectors when connecting the projector. Never use a damaged plug or loosen outlet.
- Make sure to tighten screws for the ceiling attachment securely and never loosen or remove them.
- Never look into a lens when adjusting the projection because a high-intensity light is projected from the projector. It may result in eye damage.
- During projection, never put an object in front of the projector's lens.

## Caution

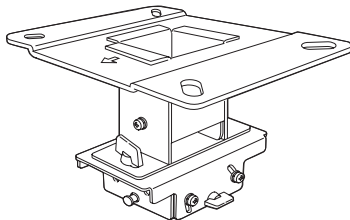
Make sure the followings when you install and handle the ceiling attachment.

- Make sure to ask the Canon Customer Support Center if you want to install the ceiling attachment. An inappropriate installation may cause an accident.

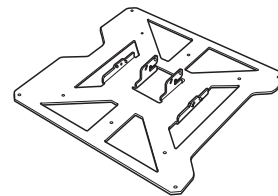
## Parts Lineup

The ceiling attachment RS-CL15 is for LX-MU800Z / LX-MU600Z.

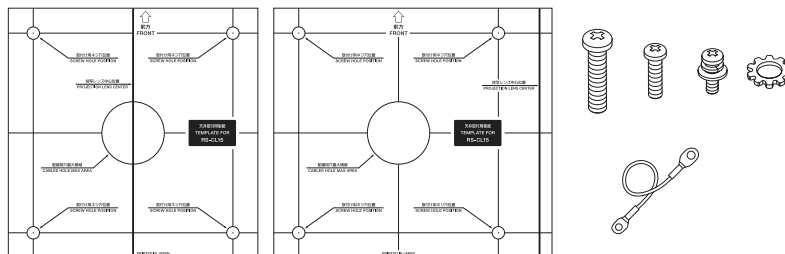
### Supplied Parts



Ceiling-mount bracket and joint fitting\*



Base bracket



### RS-CL15

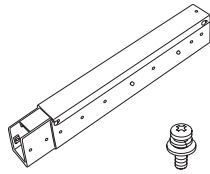
- M6 screw (25 mm/1.0") : 4 pcs.
- M5 screw (12 mm/0.5") : 4 pcs.
- M4 screw (15 mm/0.6") : 10 pcs.
- Anti-fall wires: 2 pcs.

- Washer (Toothed Lock Washer): 1 pc.
- Assembly/Installation Manual (This Manual): 1
- Template sheet for a ceiling-mount hole: 2 shts.

\* The ceiling-mount bracket must be separated from the Joint fitting, before installation.

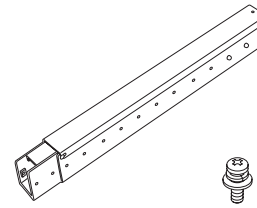
## Extension Pipe RS-CL08 / RS-CL09 (Optional)

Use an optional extension pipe (RS-CL08 / RS-CL09) according to the ceiling height. For details, contact our local agent.



RS-CL08

Outer/inner pipes and outer/inner covers  
 M5 screw (12 mm/0.5"): 4 pcs.  
 M3 screw (10 mm/0.4"): 1 pc.  
 The length is adjustable between 35 cm/1.1'  
 and 55 cm/1.9' in steps of 5 cm/0.2'.



RS-CL09

Outer/inner pipes and outer/inner covers  
 M5 screw (12 mm/0.5"): 4 pcs.  
 M3 screw (10 mm/0.4"): 1 pc.  
 The length is adjustable between 55 cm/1.9'  
 and 95 cm/3.1' in steps of 5 cm/0.2'.

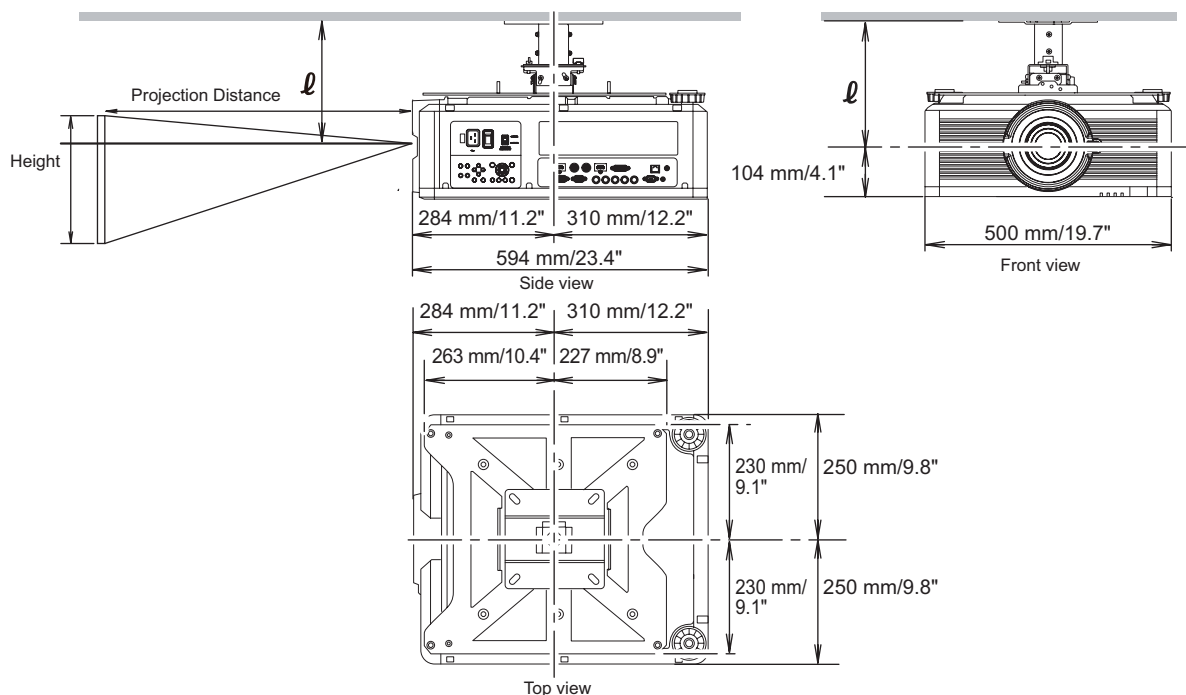
## Mounting Position

Install the projector straight in front of the screen. You can adjust the screen position using the lens shift feature.

### **Caution:**

- Before mounting the ceiling attachment, be sure to check the strength of the ceiling. The ceiling should be strong enough to support the projector and ceiling attachment (and optional extension pipe). If the ceiling is not strong enough, be sure to reinforce it. The projector may fall and you may get injured.
- Make sure to perform the installation operation by at least two persons. Please be careful not to drop any object and pinch a finger during the installation operation.
- To prevent falling caused by earthquake or vibration, take anti-fall measures using tension wires or the like for installation. The projector may fall and you may get injured.
- At least 30 cm (0.98') around the intake and 50 cm (1.64') around the vent should be clear. Otherwise, it may damage the projector due to bad exhaust ventilation.

## Installation Dimensions

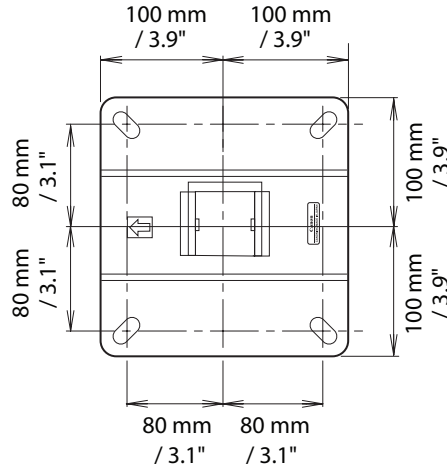


## Distance from Ceiling to Lens Center ( $l$ )

RS-CL15	When RS-CL08 is used	When RS-CL09 is used
26.2 cm / 0.9'	61.2 cm / 2.0' to 81.2 cm / 2.7'	81.2 cm / 2.7' to 121.2 cm / 4.0'

For more detailed information on the screen sizes and the projection distance, see “[Relationship Between Image Size and Projecting Distance](#)” on page 96.

## Ceiling-mount Bracket

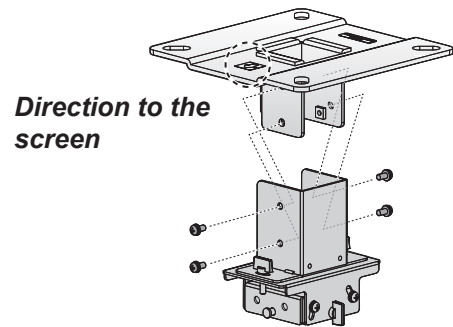


## Assembly and Installation

### Installation to Flat and Level Ceiling

#### Preparation:

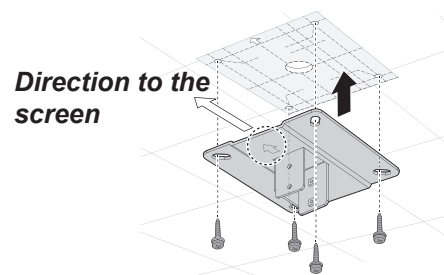
Remove four M5 screws to separate joint fitting from the ceiling-mount bracket.



1. Make a hole in the ceiling to install the ceiling-mount bracket and cables.

#### Caution:

- Mounting position varies on the projector used. Make sure that the template sheet (A) corresponding to the projector is used.
  - When determining the hole position, use the supplied template sheet (A).
  - The direction to the screen is indicated on the template sheet (A).
2. Use four M13 screws, to secure the ceiling-mount bracket to the ceiling with the arrow facing toward the screen.
    - Before securing the ceiling-mount bracket, be sure to remove the template sheet (A).
    - The M13 screws are not included in the supplied parts. Prepare the M13 screws suitable for the ceiling structure.



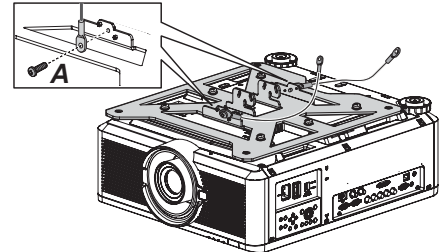
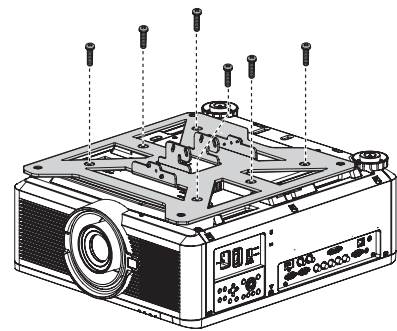


3. Turn the projector base up, and remove the two adjusting legs on front side.
4. Install the attached M4 screws at the six screw fastening positions on the Base bracket.

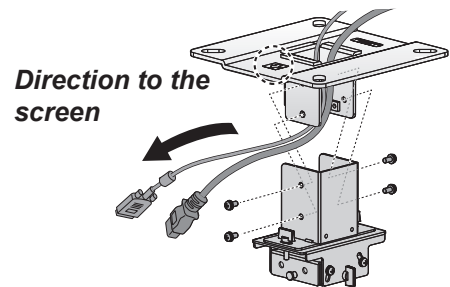
**Caution:**

- Make sure to remove the adjusting foot before attaching the screw to the front part of the projector.
- Be sure to keep the removed adjusting foot safely for later use.

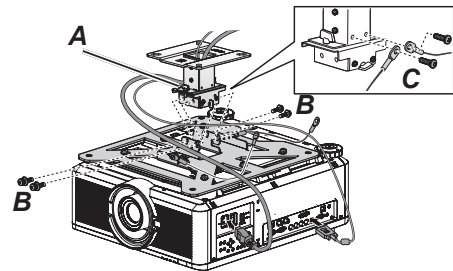
5. Secure the terminal clamp of the Anti-fall wire with the attached M4 screw at (A) on the Base bracket. Make sure to fasten and tighten the screw securely.



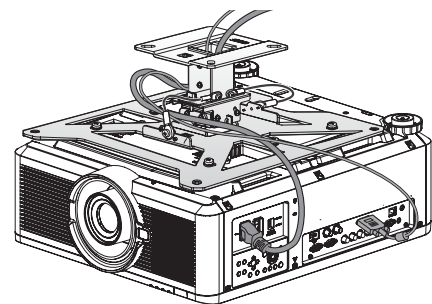
6. Pull cables out of the cable hole in the ceiling.
  - As depicted in the diagram, let cables pass through the hole on ceiling-mount clamp.
  - If cables are too thick, make a hole at a different position than the hole on the ceiling-mount clamp, and let them pass through the new hole.
7. Secure the ceiling-mount bracket using the four M5 screws removed during preparation.



8. Hook the base bracket on the protrusion (A) of the joint fitting, and secure it temporarily using the four supplied M5 screws (B).
9. Mount the terminal clamp on the other end of anti-fall wire to the Joint fitting (C), and secure it at the wire-attaching position using M4 screw.
  - Pull out the cables.
  - Be sure to secure screws (B) tightly after making the adjustment discussed in "Adjust the Projection Angle" on page 91.



10. Connect the cables to the projector. After completion of installation, adjust the projection angle (page 91).



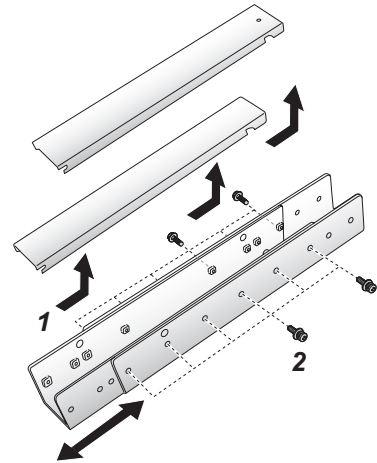
## Installation to a High Ceiling

Use optional extension pipe RS-CL08 or RS-CL09 for high ceiling.

### Preparation:

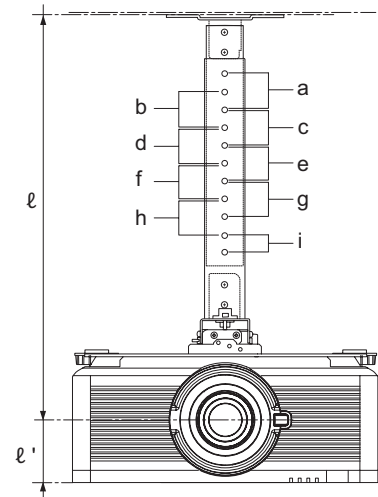
1. Remove the covers of outer and inner pipes by slightly sliding them and lift up as shown.
2. Remove four M5 screws from the sides of the outer pipe, adjust the inner pipe length according to the projector installation height, and then secure the four M5 screws.

When attaching screws in step 2, insert the screws and leave an unused screw hole between them. When the extension pipe is stretched to its maximum length, insert the screws in two adjacent screw holes.



Extended length when extension pipe is attached (when lens shift is 0%)

Mounting hole position	Distance from ceiling to lens axis ( $\ell$ )	
	RS-CL08	RS-CL09
a	61.2 cm/2.0'	81.2 cm/2.7'
b	66.2 cm/2.2'	86.2 cm/2.8'
c	71.2 cm/2.3'	91.2 cm/3.0'
d	76.2 cm/2.5'	96.2 cm/3.2'
e	81.2 cm/2.7'	101.2 cm/3.3'
f	-	106.2 cm/3.5'
g	-	111.2 cm/3.6'
h	-	116.2 cm/3.8'
i	-	121.2 cm/4.0'

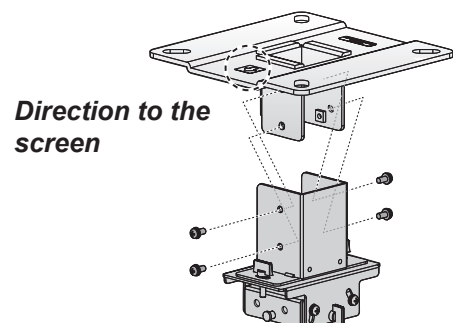


\* To use the extension pipe with it extended to the maximum length, secure it by inserting screws in the two adjacent screw holes.

$$\ell' = 10.4 \text{ cm}/0.3'$$

### Preparation:

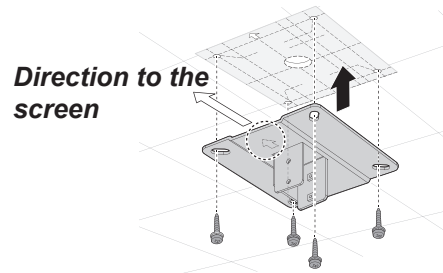
Remove four M5 screws to separate joint fitting from the ceiling-mount bracket.



1. Make a hole in the ceiling to install the ceiling-mount bracket and cables.

**Caution:**

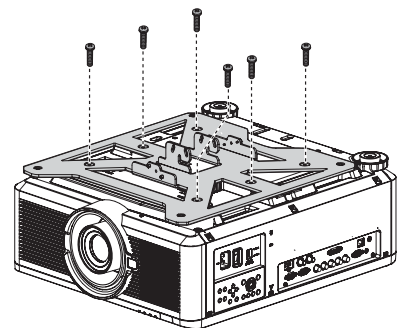
- *Mounting position varies on the projector used. Make sure that the template sheet (A) corresponding to the projector is used.*
  - *When determining the hole position, use the supplied template sheet (A).*
  - *The direction to the screen is indicated on the template sheet (A).*
2. Use four M13 screws, to secure the ceiling-mount bracket to the ceiling with the arrow facing toward the screen.
    - Before securing the ceiling-mount bracket, be sure to remove the template sheet (A).
    - The M13 screws are not included in the supplied parts. Prepare the M13 screws suitable for the ceiling structure.



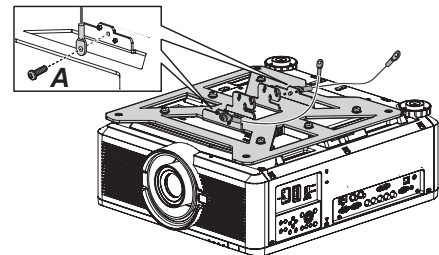
3. Turn the projector base up, and remove the two adjusting legs on front side.
4. Install the attached M4 screws at the six screw fastening positions on the Base bracket.

**Caution:**

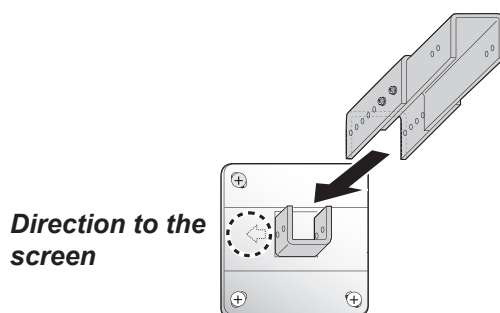
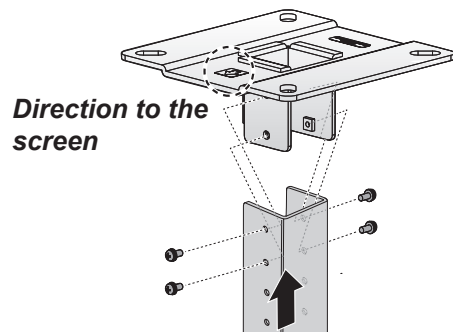
- *Make sure to remove the adjusting foot before attaching the screw to the front part of the projector.*
- *Be sure to keep the removed adjusting foot safely for later use.*



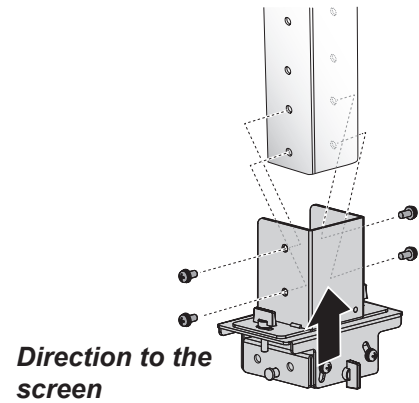
5. Secure the terminal clamp with the attached M4 screw at (A) on the Base bracket. Make sure to fasten and tighten the screw securely.



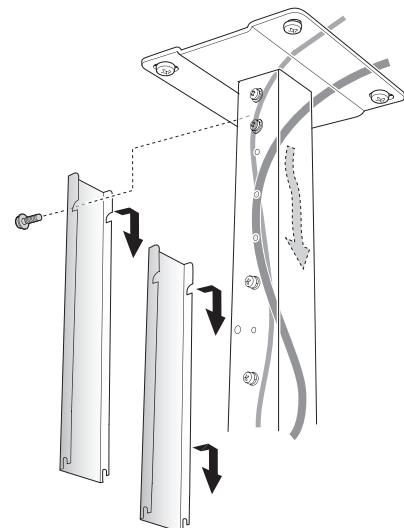
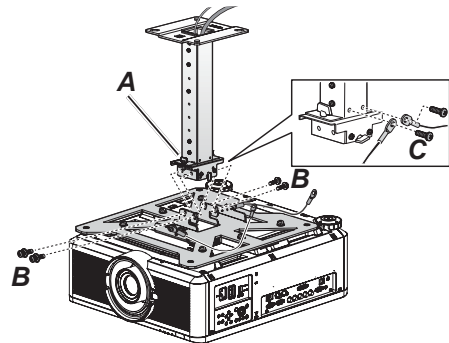
6. Secure to the extension pipe using the four supplied M5 screws. The open end of the pipe should face the open end of the ceiling-mount bracket as shown.



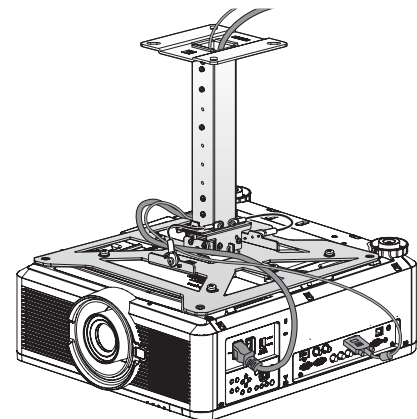
7. Use the four M5 screws removed from the ceiling-mount bracket during preparation.



8. Hook the base bracket on the protrusion (A) of the joint fitting, and secure it temporarily using the four supplied M5 screws (B).
9. Mount the terminal clamp on the other end of anti-fall wire to the joint fitting (C), and secure it at the wire-attaching position using M4 screw.
  - Pull out the cables.
  - Be sure to secure screws (B) tightly after making the adjustment discussed in "Adjust the Projection Angle" on page 91.
10. Pull the cables out of the cable hole in the ceiling.
11. Put the cables inside the pipe.
12. Close the inner cover of the pipe and then close outer cover of the pipe. Secure to the extension pipe using the supplied M3 screw.
13. Connect the cables to the projector.



After completion of installation, adjust the projection angle (page 91).



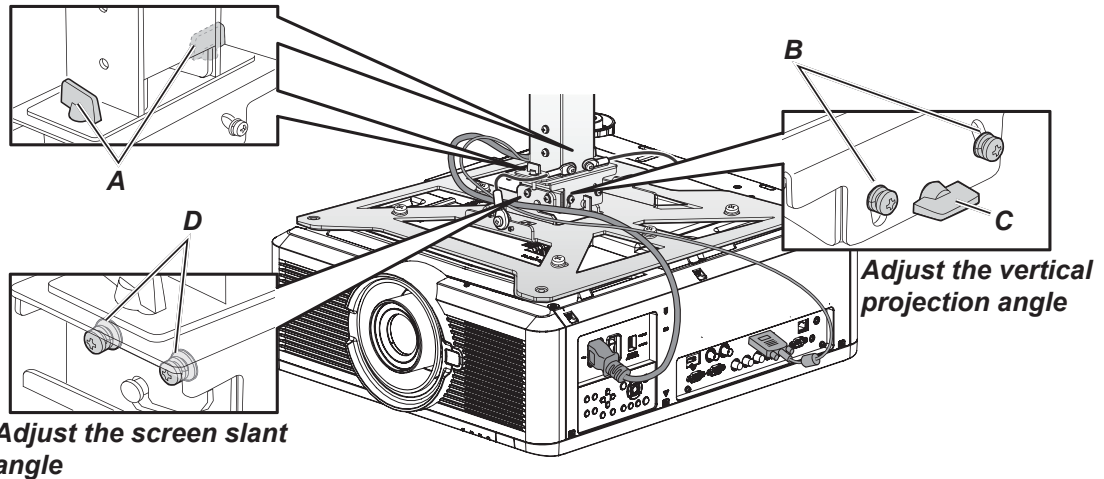
## Adjust the Projection Angle

Turn on the projector, project an image, and then adjust the projection angle and screen slant angle.

### Caution:

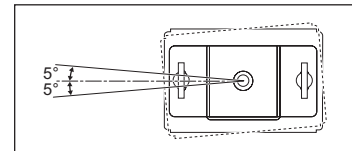
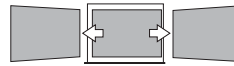
- After completion of adjustment, tighten the screws and check that every fitting is secured firmly.
- Be sure to hold the projector from falling until the ceiling-mount bracket and Base bracket are secured firmly.

### Adjust the horizontal projection angle



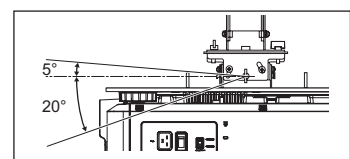
### Adjust the Horizontal Projection Angle

1. Loosen two wing screws (A). Move the projector horizontally to adjust the horizontal projection angle.
2. When the projector is correctly positioned, tighten the wing screws.



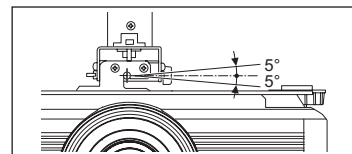
### Adjust the Vertical Projection Angle

1. First loosen four screws (B) and then loosen two wing screws (C). Move the projector vertically to adjust the vertical projection angle.
2. When the projector is correctly positioned, first tighten the wing screws (C) and next tighten the four screws (B).



### Adjust the Screen Inclination

1. Loosen four screws (D), and then adjust the slant angle of the projector.
2. When the projector is correctly positioned, tighten the four screws (D).



---

## Specifications

### RS-CL15

Adjustment range	Horizontal projection angle	5° leftward or rightward
	Vertical projection angle	5° upward or 20° downward
	Screen slant angle	± 5°
Outer dimension of assembly (excluding projection) (W x D x H)		460 x 490 x 152.6 mm (18.1 x 19.3 x 6.0 in)
Weight (Ceiling attachment only)		6.9 kg (15.2 lbs)

# Troubleshooting

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## Image Problems

**Problem: No image appears on the screen.**

1. Check whether the projector is connected to the computer or AV equipment correctly.
2. Check whether the power cord is connected correctly.
3. Turn first the projector and then the computer off and then back on again.

**Problem: The image is blurred.**

1. Adjust the **Focus** on the projector.
2. Press the **AUTO PC** button on the remote control.
3. Ensure the projector-to-screen distance is within the specified range.
4. Check that the projector lens is clean.

**Problem: The image is wider at the top or bottom (keystone distortion).**

1. Position the projector so it is as perpendicular to the screen as possible.
2. Use the **Keystone** button on the **ALIGNMENT** menu of the OSD.

**Problem: The image is reversed.**

Check the **Projector Mode** settings on the **ALIGNMENT** menu of the OSD.

**Problem: The image is streaked.**

1. Adjust the **VGA Setup** settings on the **PICTURE** menu of the OSD to the default settings.
2. To ensure the problem is not caused by a connected PC's video card, connect to another computer.

**Problem: The image is flat with no contrast.**

Adjust the **Contrast** setting on the **PICTURE** menu of the OSD.

**Problem: The color of the projected image does not match the source image.**

1. Adjust the **Gamma** settings on the **PICTURE** menu of the OSD.
2. Adjust the **Color Temperature** settings on the **PICTURE** menu of the OSD.

## Remote Control Problems

**Problem: The projector does not respond to the remote control.**

1. Direct the remote control towards remote sensor on the projector.
2. Ensure the path between remote and sensor is not obstructed.
3. Turn off any fluorescent lights in the room.
4. Check the battery polarity.
5. Replace the battery.
6. Turn off other Infrared-enabled devices in the vicinity.
7. Have the remote control serviced.

## Having the Projector Serviced

If you are unable to solve the problem, you should have the projector serviced. Pack the projector in the original carton. Include a description of the problem and a checklist of the steps you took when trying to fix the problem: The information may be useful to service personnel. For servicing, return the projector to the place you purchased it.

# Specifications

## Product Specifications

Model name		LX-MU800Z	LX-MU600Z
Display system		1-CHIP DLP™	
Display device	Type	DMD	
	Size / Aspect ratio	0.67"x1 / 16:10	
	Drive system	DLP™ x 1 chip	
	Number of pixels	2,304,000 (1920 x 1200) x 1	
Projection lens (*1) (*2)	Zoom ratio / Focal length / F number	1.3x / f = 26 to 34mm / F = 1.64 to 1.86	
	Zooming / Focusing system	Electric / Electric	
	Lens shift (motorized)	Adjust range: V (down: 30% ~ up: 60%), H (left: 10% ~ right: 20%) Optical performance guaranteed range: V (down: 0% ~ up: 50%), H (left: 10% ~ right: 10%)	
Keystone correction		Horizontal: +/-60°, shift is set to 0% (center).	
		Vertical: +/-40°, optical offset 50% under single direction. (*4)	
Light source		Laser Diode	
Image size (projection distance) (*1) (*2)		50" to 300" (1.83m to 14.9m / 6' to 49')	
Number of colors		1.07 billion colors	
Brightness (*1) (*2) (*3)		8000 lumen (in presentation mode)	6800 lumen (in presentation mode)
Contrast ratio (with Dynamic Black on) (*1) (*2)		10500:1 (Fully white: Fully black, in presentation mode)	
Display scanning frequency		H: 15 to108 kHz, V: 48-120 Hz	
Maximum input resolution		1920 x 1200 dots	
Image signal	Digital PC	WUXGA (RB) / WSXGA+ / UXGA / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA	
	Analog PC	WUXGA (RB) / WSXGA+ / UXGA / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA	
	Digital video	1080p / 1080i / 720p / 576p / 480p	
	Component video	1080p / 1080i / 720p / 576p / 480p / 576i / 480i	
	HDBaseT	Same as the Digital PC and Digital video	
	3G-SDI	Same as the Digital PC and Digital video	
Terminals	HDMI	Digital PC / Digital video input	
	DVI-D	Digital PC / Digital video input	
	RJ45	HDBaseT input / Network connection	
	5BNC	Analog PC / Component video input	
	Dsub15	Analog PC input	
	Dsub15 (output)	Connect to a Display with Analog RGB input	
	3G-SDI	Connect a BNC cable from Serial Digital Interface Device	
	3G-SDI (output)	Connect to a Display with Series Digital Interface input	
	Dsub9	RS-232 (serial communication)	
	Mini pin jack	Connect to a wired remote	
	Mini pin jack	12 V output (trigger for screen operation)	



Model name	LX-MU800Z	LX-MU600Z
Acoustic Noise (Normal / ECO)	40dB / 37dB	
Operating temperature	5°C (41°F) to 40°C (104°F), RH 10~85%	
Power supply	AC 100-130V, 200-240V selectable	
Maximum power consumption	890W/845W (100V/240V)	725W/695W (100V/240V)
Standby mode power consumption	ECO: < 0.5W (only for Remote/Power Button) Networking: < 6W (only for Remote/Power Button/LAN)	
Dimensions (W x D x H)	500 x 594 x 216 mm (19.68 x 23.38 x 8.5 in), including protrusion	
Weight (excluding the lens)	28 kg (61.73 lbs)	
Accessories	Remote control, Remote control two dry-cell batteries, Power cord, Computer cable, Dust cap, User manual CD, Anti-theft screw for lens, Important Information, Warranty card	

(\*1) Compliance with ISO21118-2012.

(\*2) When using a Standard Zoom Lens (LX-IL03ST).

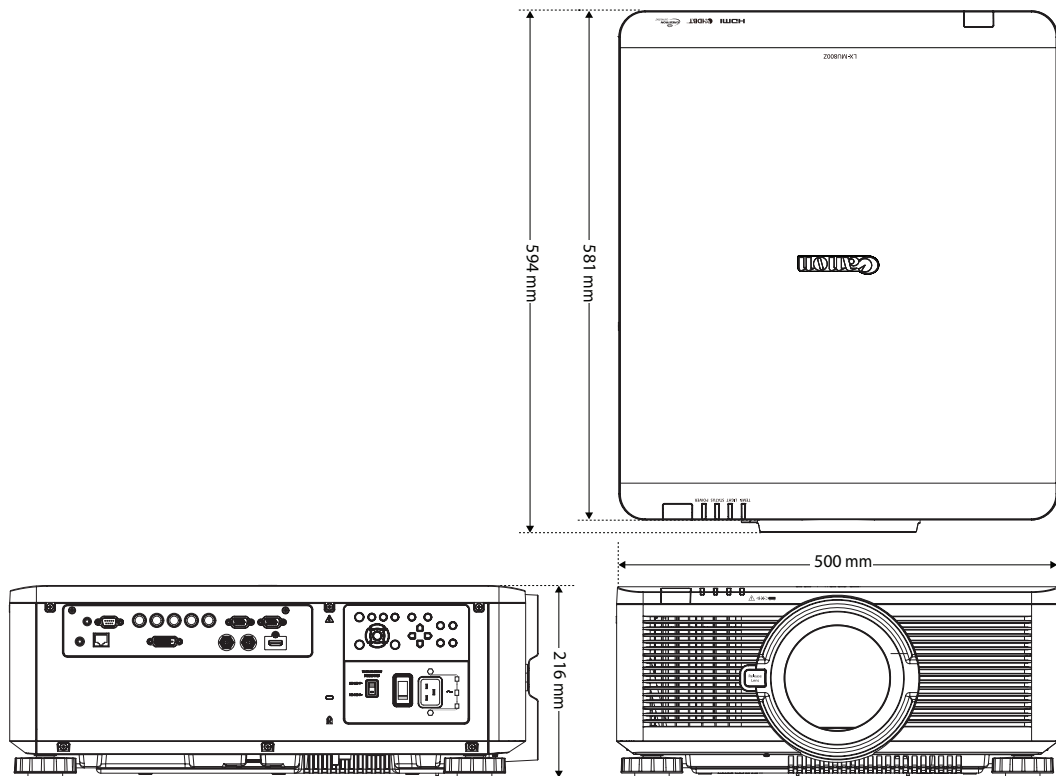
(\*3) There is a function that automatically limits the brightness when the projector is used in a hot environment.

(\*4) When using LX-IL01UW/LX-IL07WF, correction range will be limited to +/-33°.

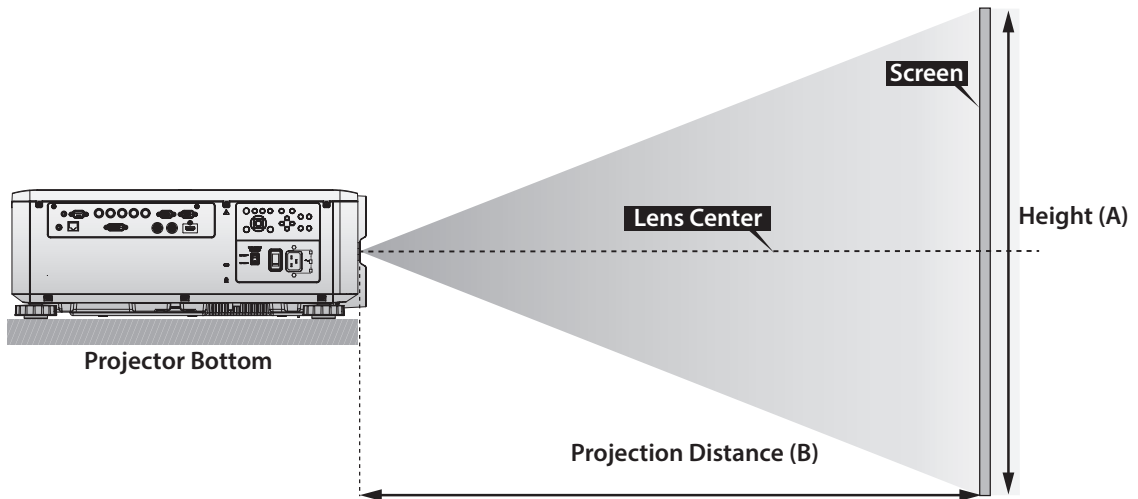
Product specifications and appearance are subject to change without notice.

## Projector Dimensions

### LX-MU800Z / LX-MU600Z



## Relationship Between Image Size and Projecting Distance



Lens Unit						LX-IL01UW				LX-IL02WZ			
Lens Type						Ultra wide zoom lens				Wide zoom lens			
Throw Ratio						0.75 ~ 0.93 : 1				1.25 ~ 1.79 : 1			
Image Size						Projection Distance (B)							
Diagonal		Width		Height (A)		Wide		Tele		Wide		Tele	
(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)
40	1.02	34	0.86	21	0.54	24.5	0.62	31.1	0.79	41.4	1.05	59.9	1.52
50	1.27	42	1.08	26	0.67	31.1	0.79	39.2	1.00	52.3	1.33	75.4	1.92
60	1.52	51	1.29	32	0.81	37.6	0.96	47.4	1.20	63.1	1.60	90.9	2.31
80	2.03	68	1.72	42	1.08	50.8	1.29	63.8	1.62	84.9	2.16	121.8	3.09
100	2.54	85	2.15	53	1.35	63.9	1.62	80.2	2.04	106.6	2.71	152.7	3.88
120	3.05	102	2.58	64	1.62	77.1	1.96	96.6	2.45	128.4	3.26	183.6	4.66
150	3.81	127	3.23	79	2.02	96.8	2.46	121.1	3.08	161.0	4.09	230.0	5.84
180	4.57	153	3.88	95	2.42	116.5	2.96	145.7	3.70	193.6	4.92	276.4	7.02
200	5.08	170	4.31	106	2.69	129.7	3.29	162.1	4.12	215.3	5.47	307.3	7.81
300	7.62	254	6.46	159	4.04	195.4	4.96	244.0	6.20	324.0	8.23	461.9	11.73
400	10.16	339	8.62	212	5.38	261.2	6.63	325.9	8.28	432.7	10.99	616.6	15.66
500	12.70	424	10.77	265	6.73	326.9	8.30	407.7	10.36	541.5	13.75	771.2	19.59

\* The table indicates projection range, optical performance is only guaranteed from 50 to 300 inches.

Lens Unit						LX-IL03ST				LX-IL04MZ			
Lens Type						Standard zoom lens				Middle zoom lens			
Throw Ratio						1.73 ~ 2.27 : 1				2.22 ~ 3.67 : 1			
Image Size						Projection Distance (B)							
Diagonal		Width		Height (A)		Wide		Tele		Wide		Tele	
(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)
40	1.02	34	0.86	21	0.54	57.2	1.45	75.8	1.93	73.6	1.87	124.1	3.15
50	1.27	42	1.08	26	0.67	72.1	1.83	95.5	2.42	92.9	2.36	155.9	3.96
60	1.52	51	1.29	32	0.81	87.1	2.21	115.1	2.92	112.1	2.85	187.8	4.77
80	2.03	68	1.72	42	1.08	117.0	2.97	154.3	3.92	150.5	3.82	251.4	6.39
100	2.54	85	2.15	53	1.35	147.0	3.73	193.5	4.92	188.9	4.80	315.0	8.00
120	3.05	102	2.58	64	1.62	176.9	4.49	232.8	5.91	227.6	5.78	378.6	9.62
150	3.81	127	3.23	79	2.02	221.8	5.63	291.6	7.41	285.0	7.24	474.1	12.04
180	4.57	153	3.88	95	2.42	266.7	6.77	350.5	8.90	342.6	8.70	569.5	14.47
200	5.08	170	4.31	106	2.69	296.6	7.53	389.7	9.90	381.0	9.68	633.1	16.08
300	7.62	254	6.46	159	4.04	446.3	11.34	585.9	14.90	573.2	14.56	951.2	24.16
400	10.16	339	8.62	212	5.38	595.9	15.14	782.3	19.87	765.3	19.44	1269.7	32.25
500	12.70	424	10.77	265	6.73	745.6	18.94	978.3	24.85	957.4	24.32	1587.8	40.33

Lens Unit						LX-IL05LZ				LX-IL06UL			
Lens Type						Long zoom lens				Ultra long zoom lens			
Throw Ratio						3.58 ~ 5.38 : 1				5.31 ~ 8.26 : 1			
Image Size						Projection Distance (B)							
Diagonal		Width		Height (A)		Wide		Tele		Wide		Tele	
(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)
40	1.02	34	0.86	21	0.54	118.7	3.01	181.0	4.60	173.9	4.42	277.7	7.05
50	1.27	42	1.08	26	0.67	149.7	3.80	227.6	5.78	220.2	5.59	350.0	8.89
60	1.52	51	1.29	32	0.81	180.7	4.59	274.1	6.96	266.6	6.77	422.3	10.73
80	2.03	68	1.72	42	1.08	242.7	6.16	367.3	9.33	359.4	9.13	567.0	14.40
100	2.54	85	2.15	53	1.35	304.3	7.73	460.4	11.70	452.1	11.48	711.6	18.07
120	3.05	102	2.58	64	1.62	366.7	9.31	553.6	14.06	544.9	13.84	856.2	21.75
150	3.81	127	3.23	79	2.02	459.4	11.67	693.3	17.61	684.0	17.37	1073.1	27.26
180	4.57	153	3.88	95	2.42	552.4	14.03	833.0	21.16	823.1	20.91	1290.1	32.77
200	5.08	170	4.31	106	2.69	614.7	15.60	926.4	23.53	915.9	23.26	1434.7	36.44
300	7.62	254	6.46	159	4.04	924.0	23.47	1392.1	35.36	1379.6	35.04	2157.8	54.81
400	10.16	339	8.62	212	5.38	1233.9	31.34	1857.9	47.19	1843.3	46.82	2880.9	73.18
500	12.70	424	10.77	265	6.73	1543.7	39.21	2323.6	59.02	2307.1	58.60	3604.0	91.54

\* The table indicates projection range, optical performance is only guaranteed from 50 to 300 inches.

Lens Unit						LX-IL07WF	
Lens Type						Short fixed lens	
Throw Ratio						0.76 : 1	
Image Size						Projection Distance (B)	
Diagonal		Width		Height (A)		N/A	
(inch)	(m)	(inch)	(m)	(inch)	(m)	(inch)	(m)
40	1.02	34	0.86	21	0.54	25.1	0.64
50	1.27	42	1.08	26	0.67	31.8	0.81
60	1.52	51	1.29	32	0.81	38.5	0.98
80	2.03	68	1.72	42	1.08	52.0	1.32
100	2.54	85	2.15	53	1.35	65.5	1.66
120	3.05	102	2.58	64	1.62	78.9	2.01
150	3.81	127	3.23	79	2.02	99.1	2.52
180	4.57	153	3.88	95	2.42	119.3	3.03
200	5.08	170	4.31	106	2.69	132.8	3.37
300	7.62	254	6.46	159	4.04	200.1	5.08
400	10.16	339	8.62	212	5.38	267.4	6.79
500	12.70	424	10.77	265	6.73	334.8	8.50

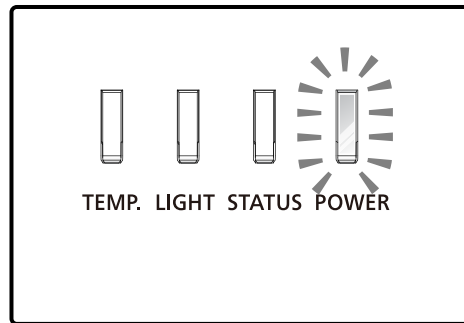
\* The table indicates projection range, optical performance is only guaranteed from 50 to 300 inches.

## Lens Series

Part Number	Lens Name	F Number	Focal Length	Zoom Ratio	Screen Size	Throw Ratio	
						WUXGA 16:10	XGA 4:3
LX-IL01UW	Ultra wide zoom lens	1.96-2.3	11.3-14.1mm	1.25:1	40"-500"	0.75-0.93:1	0.77-0.97:1
LX-IL02WZ	Wide zoom lens	1.85-2.5	18.7-26.5mm	1.41:1	40"-500"	1.25-1.79:1	1.30-1.85:1
LX-IL03ST	Standard zoom lens	1.7-1.9	26-34mm	1.3:1	40"-500"	1.73-2.27:1	1.79-2.35:1
LX-IL04MZ	Middle zoom lens	1.86-2.48	32.9-54.2mm	1.65:1	40"-500"	2.22-3.67:1	2.30-3.81:1
LX-IL05LZ	Long zoom lens	1.85-2.41	52.8-79.1mm	1.5:1	40"-500"	3.58-5.38:1	3.71-5.51:1
LX-IL06UL	Ultra long zoom lens	1.85-2.48	78.5-121.9mm	1.55:1	40"-500"	5.31-8.26:1	5.50-8.56:1
LX-IL07WF	Short fixed lens	1.85	11.6mm	-	40"-500"	0.76:1	0.79:1

\* The table indicates projection range, optical performance is only guaranteed from 50 to 300 inches.

## LED Indicator Status



### Power LED Indicator

LED Display		Projector Status
Off		Power is off
Flashing	Green	Prepare to turn on projector
	Orange	Projector cooling
On	Red	Standby mode
	Green	Projector is on

### Status LED Indicator

LED Display		Projector Status
Off		No problem
Flashing	Red (Cycles of 1)	Cover & lens switch problem
	Red (Cycles of 4)	Fan problem
On	Red	System error

### Light LED Indicator

LED Display		Projector Status
Off		Laser off
Flashing	Green	Prepare to light laser
	Red (Cycles of 6)	Laser lit fail
On	Green	Laser lit

### Temperature LED Indicator

LED Display		Projector Status
Off		No problem
Flashing	Red	Temperature problem

# Supported Signal Input Timing

## Computer

Signal Type	Resolution	Freq. H (KHz)	Freq. V (Hz)	Clock (MHz)	BNC - RGBHV	BNC - YUV	HD15 - RGBHV	HD15- YUV	DVI-D (EIA Timing)	HDMI RGB (EIA Timing)	HDMI YUV (EIA Timing)	HDBaseT
PC	640*480-60	31.47	59.93	25.175	V	-	V	-	V	V	-	V
	640*480-75	37.5	75	31.5	V	-	V	-	V	V	-	V
	640*480-85	43.27	85.01	36	V	-	V	-	V	V	-	V
	800*600-60	37.88	60.32	40	V	-	V	-	V	V	-	V
	800*600-75	46.88	75	49.5	V	-	V	-	V	V	-	V
	800*600-85	53.67	85.06	56.25	V	-	V	-	V	V	-	V
	848*480-60	31.02	60	33.75	V	-	V	-	V	V	-	V
	1024*768-60	48.36	60	65	V	-	V	-	V	V	-	V
	1024*768-75	60.02	75.03	78.75	V	-	V	-	V	V	-	V
	1024-768-85	68.88	85.03	94.5	V	-	V	-	V	V	-	V
	1280*720-60	44.69	59.91	74.37	V	-	V	-	V	V	-	V
	1280*768-60	47.8	59.87	79.5	V	-	V	-	V	V	-	V
	1280*800-60	49.702	59.81	83.5	V	-	V	-	V	V	-	V
	1280*960-60	60	60	108	V	-	V	-	V	V	-	V
	1280*1024-60	63.98	60.02	108	V	-	V	-	V	V	-	V
	1280*1024-75	79.98	75.02	135	V	-	V	-	V	V	-	V
	1280*1024-85	91.15	85.02	157.5	V	-	V	-	V	V	-	V
	1366*768-60	47.71	59.79	85.5	V	-	V	-	V	V	-	V
	1440*900-60	55.935	59.887	106.5	V	-	V	-	V	V	-	V
	1400X1050-60	65.517	59.98	121.75	V	-	V	-	V	V	-	V
1600*1200-60	75	60	162	V	-	V	-	V	V	-	V	
1680*1050-59.94	65.179	59.94	146	V	-	V	-	V	V	-	V	
1920*1200RB-60	74.04	59.95	154	V	-	V	-	V	V	-	V	
SDTV	1440x480i	15.73	60	27	-	-	-	-	-	V	V	V (HDMI)
	1440x576i	15.62	50	27	-	-	-	-	-	V	V	V (HDMI)
	480i	15.734	59.94	13.5	-	V	-	V	-	-	-	-
	576i	15.625	50	13.5	-	V	-	V	-	-	-	-
EDTV	480p	31.47	59.94	27	V	V	V	V	V	V	V	V
	576p	31.25	50	27	V	V	V	V	V	V	V	V
	1080i	28.13	50	74.25	-	V	-	V	V	V	V	V
	1080i	33.75	60	74.25	-	V	-	V	V	V	V	V
	720p	37.5	50	74.25	V	V	V	V	V	V	V	V
	720p	45	60	74.25	V	V	V	V	V	V	V	V
	1080p	27	24	74.25	V	V	V	V	V	V	V	V
	1080p	28.13	25	74.25	V	V	V	V	V	V	V	V
	1080p	33.72	29.97	74.175	V	V	V	V	V	V	V	V
	1080p	33.75	30	74.25	V	V	V	V	V	V	V	V
1080p	56.25	50	148.5	V	V	V	V	V	V	V	V	
1080p	67.5	60	148.5	V	V	V	V	V	V	V	V	

## 3D Signal Input Mode

Timing Format	H Freq.	V Freq.	Pixel	H	H	H	H	H	V	V	V	V	V	Note
	(KHz)	(Hz)	Clock (MHz)	Total Pixel	Display Pixel	Front Porch	Sync	Back Porch	Total Lines	Display Lines	Front Porch	Sync	Back Porch	Auto
720p_50	37.5	50	74.25	1980	1280	440	40	220	750	720	5	5	20	OK
720p_60	45	60	74.25	1650	1280	110	40	220	750	720	5	5	20	OK
1080i_50	28.125	25	74.25	2640	1920	528	44	148	562	540	2	5	15	OK
1080i_60	33.75	30	74.25	2200	1920	88	44	148	562	540	2	5	15	OK
1080p_24	27	24	74.25	2750	1920	638	44	148	1125	1080	4	5	36	OK
1080p_50	56.25	50	148.5	2640	1920	528	44	148	1125	1080	4	5	36	OK
1080p_60	67.5	60	148.5	2200	1920	88	44	148	1125	1080	4	5	36	OK

\* The following Timing Formats require 3D formats carrying InfoFrame packets (based on the HDMI 1.4a standard) from HDMI or HDBaseT sources only.

Timing Format	3D Format Support		
	FP	SBS	TAB
720p_50	V	V	V
720p_60	V	V	V
1080i_50		V	
1080i_60		V	
1080p_24	V	V	V
1080p_50		V	V
1080p_60		V	V

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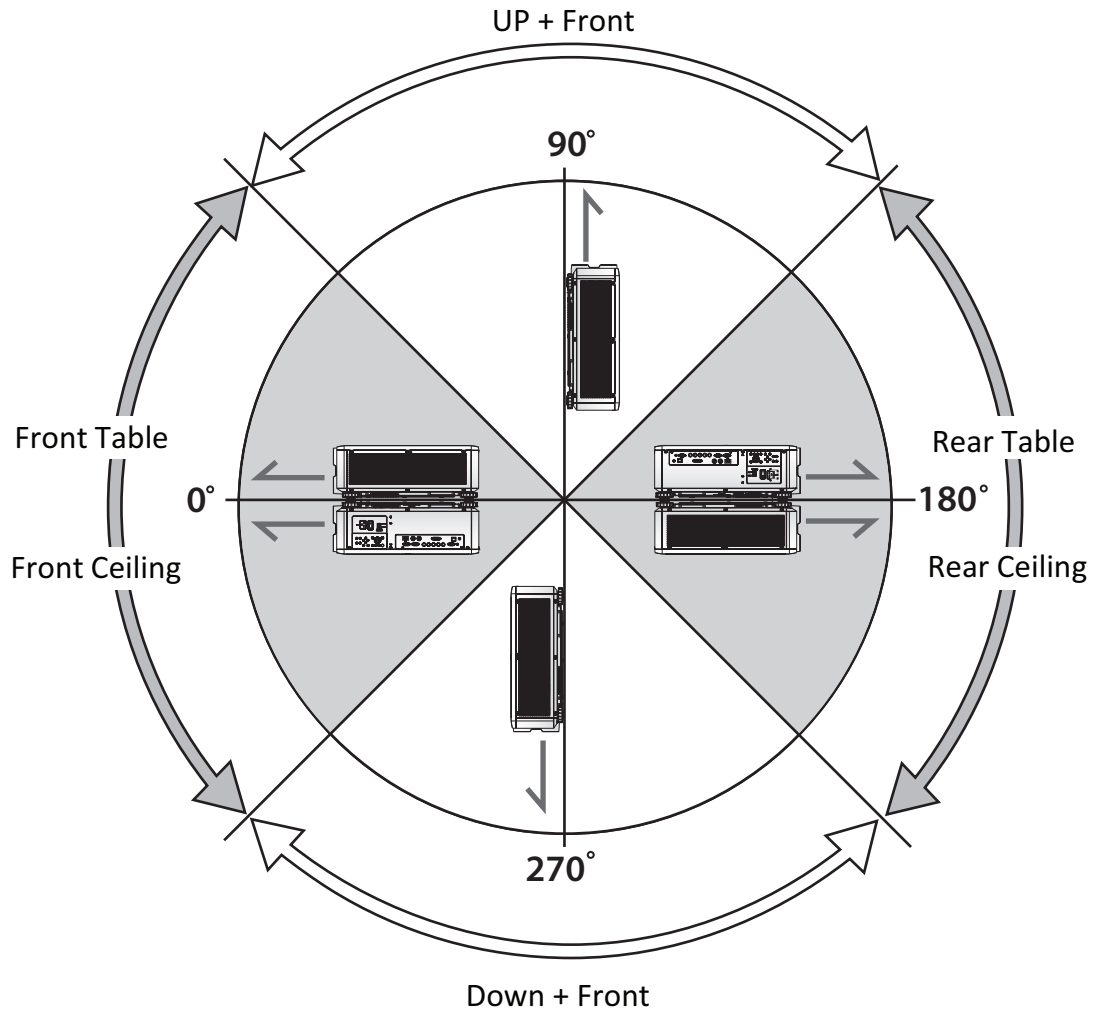
**3G-SDI**

Timing	SDI Link Mode	Signal Standards	Color Encode	Sampling Structure	Bit Depth	Remark
NTSC	SD	SMPTE 259M-C 270Mbps SD	YCbCr	4:2:2	10	128M
PAL	SD	SMPTE 259M-C 270Mbps SD	YCbCr	4:2:2	10	128M
1035i60	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
1080i59	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
1080i60	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
1080P30	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
1080P25	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
1080i50	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
1080P24	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
720P60	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
720P50	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
1080Sf25	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
1080Sf30	HD	SMPTE 292M 1.5Gbps HD	YCbCr	4:2:2	10	128M
1080P50	3G Level A	SMPTE 424M 3Gbps	YCbCr	4:2:2	10	128M
1080P59	3G Level A	SMPTE 424M 3Gbps	YCbCr	4:2:2	10	128M
1080P60	3G Level A	SMPTE 424M 3Gbps	YCbCr	4:2:2	10	128M
1080P50	3G Level B	SMPTE 424M 3Gbps	YCbCr	4:2:2	10	128M
1080P59	3G Level B	SMPTE 424M 3Gbps	YCbCr	4:2:2	10	128M
1080P60	3G Level B	SMPTE 424M 3Gbps	YCbCr	4:2:2	10	128M

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## Notes for Projection Mode

1. Referring to the following illustration, select a **Projection Mode** in the **ALIGNMENT** menu. The options are **Front Tabletop**, **Front Ceiling**, **Rear Tabletop** and **Rear Ceiling**.
2. When the projector is installed in a tilt angle over  $\pm 10$  degrees, you need to select **High** at the **High Altitude** function in the **LASER** menu. This function sets the fan speed to high due to the high altitude environment.



**Note:**

Using the projector in the following situation may accelerate the deterioration of optical parts.

- When the projector is installed on which projection lens faces downward.
- When the Air intake vent of the projector side faces downward in the portrait projection.



# Appendix

## Canon LX-MU800Z / LX-MU600Z User Commands

### Interface and Requirements (Ver 1.0)

#### Serial (RS-232) Interface

The RS-232 Commands use only ASCII characters which can be entered using a typical terminal emulator like Windows HyperTerminal with the following setting:

Bits per second: 9600 bps  
Data bits: 8  
Parity: None  
Stop bits: 1  
Flow control: None

Note that each input character will be echoed on the terminal by MCU and there is no need to set the local echo "ON" with the terminal setting.

#### TCP/IP Interface

The operation commands are available through telnet protocol. See page 75 for setting.

#### Serial and TCP/IP Interface over HDBaseT

Serial bits per second setting is fixed to 9600 over HDBaseT. The other settings are same as above.

## System Operation Commands

The operation commands tell the projector what to do. All commands start with 2 letters: "op" for operations commands, and a space [SP] then following a control command then finally the value wants to read, set, increase or decrease. All commands must end with a carriage return (ASCII hex 0D), shown as [CR] below. The syntax for operations commands is as follows:

op[SP]<operation command>[SP]<Setting Value>[CR]

For all but Execute functions the response from the projector will be the command and "= <value>" where <value> is the current value or "NA" if the value is not available. For execute functions the response will be the same command. All responses will be in CAPS. Please refer to the following table for command list and examples:

### System Operation Command

Operation	Commands	Values
Set	= <value>	Makes the unit take that value.
Get	?	Asks what the current value is.
Increment	+	Adds 1 to the current value.
Decrement	-	Subtracts 1 from the current value.
Execute	(none)	Performs an action such as a reset.

#### **Get operations command example:**

Input: op bright ? [CR]  
System response: OP BRIGHT = 100

#### **Increase & Decrease operations command examples:**

Input: op bright + [CR]  
System response: OP BRIGHT = 101

Input: op bright - [CR]  
System response: OP BRIGHT = 126

#### **Set operations command example:**

Input: op bright = 127 [CR]

---

System response: OP BRIGHT = 127

**Execute command example:**

Input: op auto.img [CR]

System response: OP AUTO.IMG

The list of valid operations commands are shown in below table.

**1. DISPLAY**

Item	Operation	Commands	Values	Notes
1-1	Input.sel	= ?	0 = HDMI 1 = DVI-D 2 = Computer-1 3 = Computer-2 / BNC 5 = HDBaseT 6 = 3G-SDI	Note1 (no item4 because no DP source)
1-2	pattern	= ?	0 = Off 1 = White 2 = Black 3 = Red 4 = Green 5 = Blue 6 = Checkboard 7 = Cross Hatch 8 = V Burst 9 = H Burst 10 = Color Bar	Note1
1-3-1	3d.format	= ?	0 = Off 1 = Auto 2 = Side by Side 3 = Top / Bottom 4 = Frame Sequential	Note2
1-3-2	3d.dlplink	= ?	0 = Off 1 = On	Note2 & in 3D state
1-3-3	3d.swap	= ?	0 = Normal 1 = Reverse	Note2
1-4	color.space	= ?	0 = Auto 1 = RE709 2 = RE601 3 = RGB PC 4 = RGB Video	Note2
1-5	no.signal	= ?	0 = Logo 1 = Black 2 = Blue 3 = White	Note1
1-6	auto.img (Auto PC)	(execute)		Note2

## 2. PICTURE

Item	Operation	Commands	Values	Notes
2-1	pic.mode	= ?	0 = Presentation 1 = Standard 2 = Video	Note2
2-2	contrast	= ? + -	0 ~ 200	Note2
2-3	bright	= ? + -	0 ~ 200	Note2
2-4	saturat	= ? + -	0 ~ 200	Note2; Note3
2-5	tint	= ? + -	0 ~ 200	Note2; Note3
2-6	gamma	= ?	0 = 1.0 1 = 1.8 2 = 2.0 3 = 2.2 4 = 2.35 5 = 2.5	Note2
2-7-1	hsg.r.hue	= ? + -	0 ~ 200	Note2
2-7-2	hsg.g.hue	= ? + -	0 ~ 200	Note2
2-7-3	hsg.b.hue	= ? + -	0 ~ 200	Note2
2-7-4	hsg.c.hue	= ? + -	0 ~ 200	Note2
2-7-5	hsg.m.hue	= ? + -	0 ~ 200	Note2
2-7-6	hsg.y.hue	= ? + -	0 ~ 200	Note2
2-7-7	hsg.r.sat	= ? + -	0 ~ 200	Note2
2-7-8	hsg.g.sat	= ? + -	0 ~ 200	Note2
2-7-9	hsg.b.sat	= ? + -	0 ~ 200	Note2
2-7-10	hsg.c.sat	= ? + -	0 ~ 200	Note2
2-7-11	hsg.m.sat	= ? + -	0 ~ 200	Note2
2-7-12	hsg.y.sat	= ? + -	0 ~ 200	Note2
2-7-13	hsg.r.gain	= ? + -	0 ~ 200	Note2
2-7-14	hsg.g.gain	= ? + -	0 ~ 200	Note2
2-7-15	hsg.b.gain	= ? + -	0 ~ 200	Note2
2-7-16	hsg.c.gain	= ? + -	0 ~ 200	Note2
2-7-17	hsg.m.gain	= ? + -	0 ~ 200	Note2
2-7-18	hsg.y.gain	= ? + -	0 ~ 200	Note2
2-7-19	hsg.wr.gain	= ? + -	0 ~ 200	Note2
2-7-20	hsg.wg.gain	= ? + -	0 ~ 200	Note2
2-7-21	hsg.wb.gain	= ? + -	0 ~ 200	Note2
2-8	color.temp	= ?	0 = 5400K 1 = 6500K 2 = 7500K 3 = 8200K 4 = 9300K 5 = Native	Note2
2-9-1	red.offset	= ? + -	0 ~ 200	Note2
2-9-2	green.offset	= ? + -	0 ~ 200	Note2
2-9-3	blue.offset	= ? + -	0 ~ 200	Note2
2-9-4	red.gain	= ? + -	20 ~ 200	Note2
2-9-5	green.gain	= ? + -	20 ~ 200	Note2

Item	Operation	Commands	Values	Notes
2-9-6	blue.gain	= ? + -	20 ~ 200	Note2
2-10	sharp	= ? + -	0 ~ 15	Note2
2-11	nr	= ? + -	0 ~ 3 (Noise Reduction)	Note2
2-12-1	v.pos	= ? + -	0 ~ 200	Note2; Note4
2-12-2	h.pos	= ? + -	0 ~ 200	Note2; Note4
2-12-3	h.phase	= ? + -	0 ~ 200	Note2; Note4
2-12-4	h.total	= ? + -	0 ~ 200	Note2; Note4

### 3. LASER

Item	Operation	Commands	Values	Notes
3-1	laser.mode	= ?	0 = Eco 1 = Normal 2 = Custom	Note1
3-2	laser.cust.pow	= ?	20 ~ 100	Note1
3-3	altitude (High Altitude)	= ?	2 = High 3 = Auto	Note1
3-4	laser.hours	?	<string>	

### 4. ALIGNMENT

Item	Operation	Commands	Values	Notes
4-1	proj.mode	= ?	0 = Front Table 1 = Front Ceiling 2 = Rear Table 3 = Rear Ceiling	Note1
4-2-1	zoomio	+ -	+ => Zoom out - => Zoom in	Note1
4-2-2	focus	+ -	+ => Focus Far - => Focus Near	Note1
4-2-3	vert.offset	+ -	+ => Up - => Down	Note1
4-2-4	horiz.offset	+ -	+ => Right - => Left	Note1
4-3-1	lens.load	=	0 ~ 7 set of lens memory (Load)	Note1
4-3-2	lens.save	=	0 ~ 7 set of lens memory (Save)	Note1
4-3-3	lens.clear	=	0 ~ 7 set of lens memory (Clear)	Note1
4-4	lens.center	(execute)	Mid-position shift	Note1
4-5-1	aspect.ratio	= ?	0 = 5:4 1 = 4:3 2 = 16:10 3 = 16:9 4 = 1.88 5 = 2.35 6 = Letterbox 7 = Auto 8 = True Size	Note1
4-5-2	zoom (Overscan)	= ?	0 = Off 1 = Crop 2 = Zoom	Note2

Item	Operation	Commands	Values	Notes
4-5-3-1	h.keystone	= ?	-600 ~ 600	Note1
4-5-3-2	v.keystone	= ?	-400 ~ 400	Note1
4-5-4	rotation	= ?	-100 ~ 100	Note1
4-5-5-1	h.pin.barrel	= ?	-150 ~ 300	Note1
4-5-5-2	v.pin.barrel	= ?	-150 ~ 300	Note1
4-5-6-1	4corner.ulx	= ?	-192 ~ 192	Note1
4-5-6-2	4corner.uly	= ?	-120 ~ 120	Note1
4-5-6-3	4corner.urx	= ?	-192 ~ 192	Note1
4-5-6-4	4corner.ury	= ?	-120 ~ 120	Note1
4-5-6-5	4corner.llx	= ?	-192 ~ 192	Note1
4-5-6-6	4corner.lly	= ?	-120 ~ 120	Note1
4-5-6-7	4corner.lrx	= ?	-192 ~ 192	Note1
4-5-6-8	4corner.lry	= ?	-120 ~ 120	Note1
4-5-7	warp.reset	(execute)		Note1
4-5-8-1	blanking.top	= ?	0 ~ 360	Note1
4-5-8-2	blanking. bottom	= ?	0 ~ 360	Note1
4-5-8-3	blanking.left	= ?	0 ~ 534	Note1
4-5-8-4	blanking.right	= ?	0 ~ 534	Note1
4-5-8-4	blanking.reset	(execute)		Note1
4-6-1	eb.stat	= ?	0 = Off 1 = On	Note1
4-6-2	eb.adl	= ?	0 = Off 1 = On	Note1
4-6-3-1	eb.top	= ?	0, 100 ~ 500	Note1
4-6-3-2	eb.bottom	= ?	0, 100 ~ 500	Note1
4-6-3-3	eb.left	= ?	0, 100 ~ 800	Note1
4-6-3-4	eb.right	= ?	0, 100 ~ 800	Note1
4-6-4-1	eb.blu.top	= ?	0 ~ 32	Note1
4-6-4-2	eb.blu.bottom	= ?	0 ~ 32	Note1
4-6-4-3	eb.blu.left	= ?	0 ~ 32	Note1
4-6-4-4	eb.blu.right	= ?	0 ~ 32	Note1
4-6-4-4	eb.all	+ -	+ => R/G/B plus 1 - => R/G/B minus 1	Note1
4-6-4-4	eb.red	= ?	0 ~ 255	Note1
4-6-4-4	eb.green	= ?	0 ~ 255	Note1
4-6-4-4	eb.blue	= ?	0 ~ 255	Note1
4-6-5	eb.reset	(execute)		Note1

## 5. CONTROL

Item	Operation	Commands	Values	Notes
5-1-1	net.mode	= ?	0 = Projector Control 1 = Service	Note1
5-1-2	net.power	= ?	0 = Off (< 0.5W) 1 = On (< 6W)	
5-1-3	net.mac	?	<string>	Note1

Item	Operation	Commands	Values	Notes
5-1-4	net.ipaddr	= ?	<string>	Note1
5-1-5	net.subnet	= ?	<string>	Note1
5-1-6	net.gateway	= ?	<string>	Note1
5-1-7	net.dhcp	= ?	0 = Off 1 = On	Note1
5-1-8	net.dns	= ?	<string>	Note1
5-2	auto.powoff	= ?	0 = Off 1 = On	Note1
5-3	auto.powon	= ?	0 = Off 1 = On	Note1
5-4	startup.logo	= ?	0 = Off 1 = On	Note1
5-5	trig.1	= ?	0 = Off 1 = On	Note1
5-6	auto.src	= ?	0 = Off 1 = On	Note1
5-7	dblack	= ?	0 = Off 1 = On	Note1
5-8	lang	= ?	0 = English 1 = Français 2 = Español 3 = Deutsch 4 = Português 5 = Nederlands 6 = Italiano 7 = русский 8 = 简体中文 9 = 繁體中文 10 = 한국어 11 = 日本語	Note1
5-9	remote.set	= ?	Set/Get ID SET number of IR remote 0 = Off 1 ~ 99 = Set ID	Note1

## 6. SERVICE

Item	Operation	Commands	Values	Notes
6-1	model	?	<string>	Note1
6-2	ser.no	?	<string>	Note1
6-3	sw.ver	?	<string>	Note1
6-4	signal	?	<string>	Note2
6-5	pixel.clock	?	<string>	Note2
6-6-1	h.refresh	?	<string>	Note2
6-6-2	v.refresh	?	<string>	Note2
6-7	laser.hours	?	<string>	Note1
6-8	fact.reset	(execute)		Note1

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## 7. OTHERS

Item	Operation	Commands	Values	Notes
7-1	power.on	(execute)		
7-2	power.off	(execute)		
7-3	status	?	1 = warm up 2 = imaging 3 = cooling 4 = error	

REMARK: An input command will get back with "NA" when the input command is "Not Applicable" in some specific conditions.

Note1: Not applicable in standby mode.

Note2: Not applicable in standby mode or without input signal locked.

Note3: Only valid when source is YUV.

Note4: Only applicable when source is one of Computer-1 and Computer-2/BNC.



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