

FUJIFILM

プロジェクター /Projector/Projecteur/Proyector/Projektor

FP-ZUH6000-B FP-ZUH6000-W



簡易説明書 (設置と基本操作)

Basic Manual (Installation and Basic Operation)

Manuel de base (installation et opérations de base)

Manual básico (Instalación y funcionamiento básico)

Basis-Handbuch (Installation und grundlegende Bedienung)

FUJIFILM Corporation

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Safety Precautions

For Your Safety

The ⚠ **WARNING** and ⚠ **CAUTION** indications in this document indicate the following:

⚠ **WARNINGS** Failure to observe warnings could result in death or serious injury.

⚠ **CAUTIONS** Failure to observe cautions could result in injury or property damage.

This section lists important precautions that must be followed to ensure safe and correct use of the product. Read them before using the product and observe them during use.

⚠ **WARNINGS**

- Be sure the product is installed securely. Serious accidents could result should the product fall from a height.
- Ceiling installations (where the product is suspended from the ceiling) should be performed only by professionals with the requisite skills. If installed incorrectly, the product could fall, potentially causing a serious accident.
- When working in high places, work with at least one partner, use a safety line, and take all other precautions necessary to ensure safety. Slipping, falling, or loss of balance could result in serious accidents.
- When installing the product in high places, ensure that people below keep their distance. Falling objects could cause serious accidents.
- Do not install or use the product in a bath or shower. Failure to observe this precaution could result in fire or electric shock.
- Do not handle the product with wet hands. Failure to observe this precaution could result in electric shock.
- Do not modify, tug, or twist the power cables, subject them to excessive heat, or place them under heavy objects. Damage to the cables could result in fire or electric shock. Should the cables be damaged, contact a Fujifilm-authorized service technician. Keep the cables clear of the intake and exhaust vents.
- Do not use cables if their connectors have ever been bent.
- Do not place the product on unstable surfaces. Be sure the product is level. Injury could result if the product tips or falls.
- Do not touch the metal parts of the product during thunderstorms. Lightning strikes can produce induced current that could cause electric shock.
- Do not place vessels containing water, chemicals, or other liquids on the product. Liquid that finds its way into the product could cause fire or electric shock.
- Never look directly into the lens while the product is on. The bright light could cause visual impairment or other injury. Do not look into the lens with magnifying glasses, telescopes, or other optical instruments.

Safety Precautions

- Do not insert flammable material, metal, or other foreign objects into the product or leave them in its vicinity. Failure to observe this precaution could result in fire, burns, or electric shock.
- Do not use sprays containing flammable gas to remove dust or other foreign matter from the lens. The gas could ignite, causing fire.
- Do not use the product in locations where the air may contain flammable or explosive gases. The gases could ignite, causing fire.
- Do not place flammable objects in front of the lens. Failure to observe this precaution could result in fire.
- This apparatus must be grounded.
- Do not block the light from the product with books, cloths, or other objects. Objects placed in the beam could become hot, potentially melting or causing burns or fire. Light reflected from the objects could also cause the lens to overheat, causing product malfunction.
- Do not touch the lens or metal parts of the product while it is on or immediately after it has been switched to standby. Failure to observe this precaution could result in burns or other injury.
- Be careful not to drop the product when lifting it.
- Should you notice that the product is not functioning normally, switch it to standby and disconnect the power cables. Continuing to use the product when it is emitting smoke or unusual smells or otherwise functioning abnormally could result in fire, electric shock, or visual impairment.
- Use only the supplied power cable. Using other cables could cause overheating or an electrical short leading to fire or electric shock. Failure to properly ground the outlet to which the supplied power cable is connected could also result in electric shock.

CAUTIONS

- Use the product only as described in this manual.
- The product and its accessories are precision devices. Under no circumstances should they be subjected to excessive force.
- Please attach the lens cap if the product will not be used for an extended period.
- The lens includes moving parts: do not apply excessive force or subject the lens to physical shocks.
- Do not install this product in locations that are dusty, humid, or exposed to soot, steam, or sources of heat. Failure to observe this precaution could result in malfunction, fire or electric shock. In addition, grease could cause the projector's plastic casing to deteriorate, damaging the supports and potentially causing the product to fall.
- Do not leave the product in locations where it will be exposed to high temperatures or direct sunlight. Failure to observe this precaution could result in fire.

- Do not leave the product or, if the batteries are inserted, the remote control unattended in locations exposed to direct sunlight or high temperatures, for example directly in the path of warm air from a heater. Excessive heat could deform the casing or damage the product's internal parts, resulting in fire.
- Do not place heavy objects on the product. The objects could become unbalanced and tip or fall, causing injury.
- Do not use the power cable if the plug is damaged or does not fit securely into the socket. Failure to observe this precaution could result in fire or electric shock.
- Keep your face and hands, as well as objects that may be warped or otherwise damaged by heat, away from the exhaust vent while the product is in use. The hot air from the vent could deform the objects or cause burns or accidents.
- For safety, be sure to unplug the product when it is not in use. Failure to observe this precaution could result in fire due to deterioration of the insulation or other causes.
- Before transporting or cleaning the product, switch it to standby, unplug it from the power outlet, and disconnect all cables. Failure to observe this precaution could result in fire or electric shock.
- When cleaning the product, do not use damp cloths or solvents such as alcohol, benzene (petroleum ether), or thinner. Water could enter the product or the casing could weaken and break or suffer other damage, potentially resulting in electric shock.
- The accumulation of dust inside the product could result in fire or malfunction. We recommend that the interior of the product be periodically inspected and cleaned. Contact the original retailer for these services.
- Do not lift the product by the lens. Failure to observe this precaution could damage the product.
- When using the product at high altitudes (above 1,500 m/4,900 ft), enable high-altitude mode to ensure that the product's internal temperature-control mechanism functions correctly. Failure to observe this precaution could shorten the life of the product's parts.
- Should you notice that the product is not functioning normally, switch it to standby and disconnect the power and USB cables. Continuing to use the product when it is emitting smoke or unusual smells or otherwise functioning abnormally could result in fire, electric shock, or visual impairment. Consult the original retailer.
- Do not drop water or foreign objects into the product. Should water or other foreign matter find its way in to the interior, switch the product to standby and unplug it from the power outlet. Continued use could result in a short circuit causing fire or electric shock. Consult the original retailer.
- Do not disassemble or modify the product (never open the case). Failure to observe this precaution could result in fire or electric shock.
- Keep small parts out of the hands of infants and pets. Because of their size, small objects such as batteries from the remote control may be accidentally swallowed by infants or pets. Keep small parts out of their reach. Should an infant swallow any part of the product, consult a physician immediately.

Safety Precautions

- Keep safety in mind when stringing cables. Failure to observe this precaution could result in falls or injury.
- Do not install the product in locations subject to shock or vibration.
- Do not touch the lens immediately after switching the product to standby. Failure to observe this precaution could result in burns.
- Be sure the product is properly grounded.
- The plastic bags provided with this product present a suffocation risk when placed over the nose and mouth. Store them out of reach of infants and young children.

Precautions for Storage and Use

- Do not use or store the product in locations subject to extreme temperatures. Avoid locations that are subject to sudden changes in temperature. Operate and store the product within its operating and storage temperature limits.
- Do not install the product in the vicinity of high-voltage power lines or equipment that produces magnetic fields. The product may not function as expected.
- Do not use the product when it is tilted. Failure to observe this precaution could damage the product or cause accidents.
- Do not touch the lens with your bare hands. Fingerprints and smudges on the lens can affect picture quality. To keep the lens clean and free of scratches, please attach the lens cap when the product is not in use.
- Remove the batteries from the remote control before placing it in storage. Leaving the batteries in place for long periods could result in leakage or other damage to the batteries.
- Do not use or store the product where it will be exposed to soot or tobacco smoke. Failure to observe this precaution could result in reduced picture quality.
- Malfunction or damage due to such causes as fire, earthquakes, floods, lightning, or other acts of God; man-made pollution or environmental disasters; salt; voltage fluctuations; or use of power sources operating at unauthorized voltages or frequencies is not covered under warranty.
- To clean the lens, first switch the product to standby and wait for the lens and metal parts to cool, then remove dust and lint with a blower before gently wiping the lens with a third-party glass-cleaning cloth or the like.
- Allow the lens to cool before performing cleaning.
- When transporting the product, hold it by its base. Do not hold it by the lens or the opening around the lens. Failure to observe this precaution could damage the product.
- Thread-locking adhesive, lubricants, or grease on the ceiling mounts could cause the projector's plastic casing to deteriorate, potentially damaging the product or causing it to fall.
- Do not install or store the product where it will be exposed to salt damage or corrosive gases. Corrosion could damage the product or cause it to fall.

Safe Use of Lasers

This equipment is defined as a Class 1 laser product under IEC60825-1:2014.



IEC 60825-1:2014
CLASS 1 LASER PRODUCT

- This product complies with EN60825-1:2014+A11:2021.
- Complies with 21 CFR 1040.10 and 1040.11 except for conformance as a Risk Group 2 LIP as defined in IEC 62471-5:Ed. 1.0. For more information see Laser Notice No. 57, dated May 8, 2019.
- This product is professional use and designed to project images on a wall or screen.

Be sure to observe the following warnings and cautions.

WARNINGS

- This product contains a laser; do not open the case.
- This projector has built-in Class 4 laser module. Disassembly or modification is very dangerous and should never be attempted.
- Bright light can cause visual impairment or other injury; do not look directly at the light source. In the event that you do look directly at the light source, consult a physician as required.
- Never attempt to remodel or disassemble the projector. High voltages can cause fire or electric shocks.

CAUTIONS

- Dispose of this product in accord with location regulations; do not disassemble.
- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- As with any bright source, do not stare into the direct beam, RG2 IEC 62471-5:2015.

Lens RG2



CAUTIONS: Hot surface, do not touch

- Do not place your hands, face, or other objects in front of the projector lens while the projector is operating. Doing so can cause the object to get extremely hot, and possibly resulting in a fire or damage due to the heat emitted from the light output. Things placed in front of the lens may overheat and burn or start a fire.
- Do not spray flammable gas to get rid of dust and dirt that accumulate in the lens. Doing so could cause a fire.

Safety Precautions

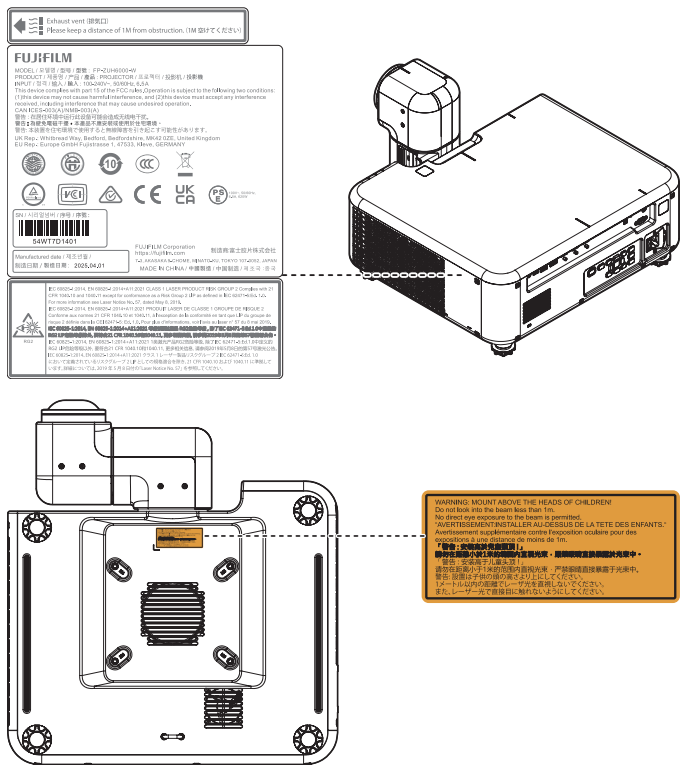
Notes on the Laser

This product uses a laser as a light source, which has the following characteristics:

- The light source may dim under certain conditions.
- The higher the temperature, the more the source will dim.
- The source will grow dimmer the longer it is used.
- The relation between source brightness and length of use can be adjusted using brightness settings.
- To prevent exposure to harmful laser light, consult an authorized service center should the projector require inspection, adjustment, or repair.
- The projector is equipped with a built-in laser module. Follow the instructions in the product manual when operating the projector or adjusting settings.
- Be sure to remove the lens cap before turning the projector on. The lens cap could be damaged if left in place when the projector is turned on and the laser powers up.
- Regardless of their distance from the projector, children should never be allowed to stare into the beam.
- Before turning the projector on, check to be sure that no one is standing in front of the lens.
- Do not use optical instruments such as telescopes or binoculars while the projector is in operation.

Laser Warning Stickers

Laser warning stickers are affixed to the bottom and side of the product.



Rating label stickers

" Product label (Rating label) on the side of the product. "

Specifications of Laser Source

FP-ZUH6000-B, FP-ZUH6000-W

- Wavelength: 455 nm
- Maximum Output: 228 W

Regulatory

This product conforms to the following regulations related to product safety, environmental requirements and electromagnetic compatibility (EMC).

Safety

- CSA C22.2 62368-1
- UL 62368-1
- IEC 62368-1
- EN 62368-1

Laser Safety

- IEC 60825-1
- IEC 62471
- FDA CDRH CFR 1040.10
- FDA CDRH CFR 1040.11

Electro-Magnetic Compatibility

Emissions

- FCC CFR47, Part 15, Subpart B/ANSI C63.4, Class A - Unintentional Radiators
- CISPR32/EN55032 Class A - Information Technology Equipment
- ICES/NMB003 (A) - Information Technology Equipment

Immunity

- CISPR 35/EN55035 EMC Requirements - Information Technology Equipment

Environmental

- The product conforms to:
 - EU Directive (2011 /65/EU) on the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment and the applicable official amendment(s).
 - EU Regulation (EC) No. 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH) and the applicable official amendment(s).
 - EU Directive (2012/19/EU) on waste and electrical and electronic equipment (WEEE) and the applicable official amendment(s).
 - China Ministry of Information Industry Order No.39 (02/2006) on the control of pollution caused by electronic information products, the hazardous substances concentration limits (SJ/T11363-2006), and the applicable product marking requirement (SJ/T11364-2006).

Marking

- This product conforms to all relevant Canadian, US, and European directives, standards, safety, health and environmental concerns. International packaging recycling marks conform to:
 - EU Directive (2012/19/EU) on waste and electrical and electronic equipment (WEEE).
 - EU Directive (94/62/EC) on packaging and packaging waste.
 - China packaging recycling mark standard (GB18455-2001).

NOTICES

Verification

Model Number: FP-ZUH6000-B, FP-ZUH6000-W

Trade Mark: Fujifilm

Company name: FUJIFILM North America Corporation

Address: 200 Summit Lake Drive, Valhalla, NY 10595-1356, U.S.A.

Tel: 019147898100

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.

Caution: 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.

FCC Warning: To assure continued compliance, follow the attached installation instructions. This includes using the provided power cord and shielded interface cables when connecting to computer or peripheral devices. Also, any unauthorized changes or modifications to this equipment could void the user's authority to operate this device.

Federal Communications Commission (FCC) Warning

- A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used.
- Use only shielded signal cables to connect I/O devices to this equipment.

For Customers in Canada

CAN ICES-3(A)/NMB-3(A)

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

For Customers in New Zealand and Australia

WARNING: This equipment is compliant with Class A of AS/NZS CISPR32. In a residential environment this equipment may cause radio interference.

For Customers in Taiwan

警告使用者：

此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。



廢電池請回收

請勿將電池當作一般垃圾丟棄。這個標誌表示電池不應視為一般垃圾丟棄。僅適用於台灣。

限用物質及化學符號表

設備名稱： 投影機						
單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁶⁺)	多溴聯苯 (PBB)	多溴二 苯醚 (PBDE)
印刷電路板	—	○	○	○	○	○
外殼	—	○	○	○	○	○
光學組件	—	○	○	○	○	○
電源供應單元	—	○	○	○	○	○
輸出入端子	—	○	○	○	○	○
附配件(遙控器/電源線)	—	○	○	○	○	○
備考1. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。						
備考2. “—” 係指該項限用物質為排除項目。						

For Customers in Korea

사용자안내문.	이 기기는 업무용 환경에서 사용할 목적으로 적합성평가를 받은 기기로서 가정용 환경에서 사용하는 경우 전파간섭의 우려가 있습니다.
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For Customers in Japan

この装置は、クラス A 機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI - A

For Customers in UK

UK Importer:

FUJIFILM UK Ltd.

St Martins Business Centre, St Martins Way, Bedford MK42 0LF, United Kingdom

For Customers in EU

EU Importer:

FUJIFILM Electronic Imaging Europe GmbH

FujistraBe 1 47533 Kleve, Germany

This product complies with the following EU Directives:

- RoHS Directive 2011/65/EU,(EU)/2015/863
- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

Compliance with these directives implies conformity to applicable harmonized European standards (European Norms) which are listed on the EU Declaration of Conformity issued by FUJIFILM Corporation for this product or product family.

This compliance is indicated by the following conformity marking placed on the product:



This marking is valid for non-Telecom products and EU harmonized Telecom products (e.g., Bluetooth).

Company name: FUJIFILM Europe GmbH

Address: Heesenstrasse 31,40549 Dusseldorf, Germany

Tel: 04921150890

About the Icons

The symbols on the product represent the following:

	AC
	DC
	Class II equipment (The construction of the product is double-insulated.)

Disposal of Electrical and Electronic Equipment in Private Households in the European Union, Norway, Iceland and Liechtenstein:

This symbol on the product, or in the manual and in the warranty, and/or on its packaging indicates that this product shall not be treated as household waste. Instead it should be taken to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.



Battery Safety Precautions

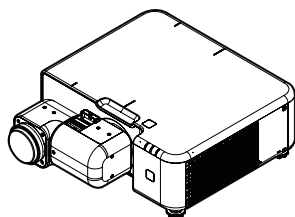
- Batteries may explode if not correctly replaced. Replace only with batteries of the same or an equivalent type.
- Do not expose batteries, including those installed in a device or battery pack, to excessive heat, for example by leaving them in direct sunlight or exposing them to fire.
- Do not expose batteries to unpressurized environments at high altitudes or to extremely high or low temperatures during use, storage, or transport.
- Do not use batteries designed to defeat safeguards.
- Batteries may explode if thrown into a fire, left in the microwave, crushed, or cut.
- Batteries may explode or leak flammable liquid or gas if exposed to extremely high temperatures or low pressures.
- Ensure that the polarity (+ and -) is correct and install the batteries properly. Incorrect installation may cause malfunction or accidents.
- Do not disassemble or modify the batteries.
- Do not subject the batteries to strong impacts or throw them, as this may cause leakage or rupture.

NOTICES

- Do not use batteries that show signs of leakage, deformation, or other abnormalities, as this may cause malfunction or accidents.
- Do not short-circuit the batteries (do not allow the + and - terminals to come into direct contact), as this may cause overheating or rupture.
- Do not store batteries with metal objects, as contact with metal may cause a short circuit.
- Do not touch the metal parts inside the battery compartment, as contact may cause injury or malfunction.
- Remove the batteries from the remote control when not in use for an extended period of time, as leakage or fire may occur.
- Store batteries in a place out of reach of small children to prevent accidental ingestion or other accidents.

Introduction

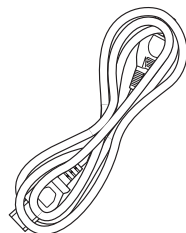
Package Contents



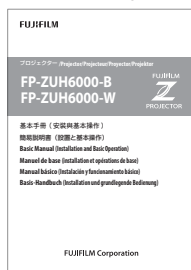
*Projector
(The above is the stored status.)*



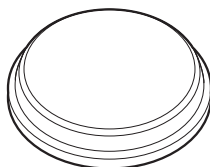
*Remote control with
two AAA batteries*



Power cable (3.0 m/9.8 ft)

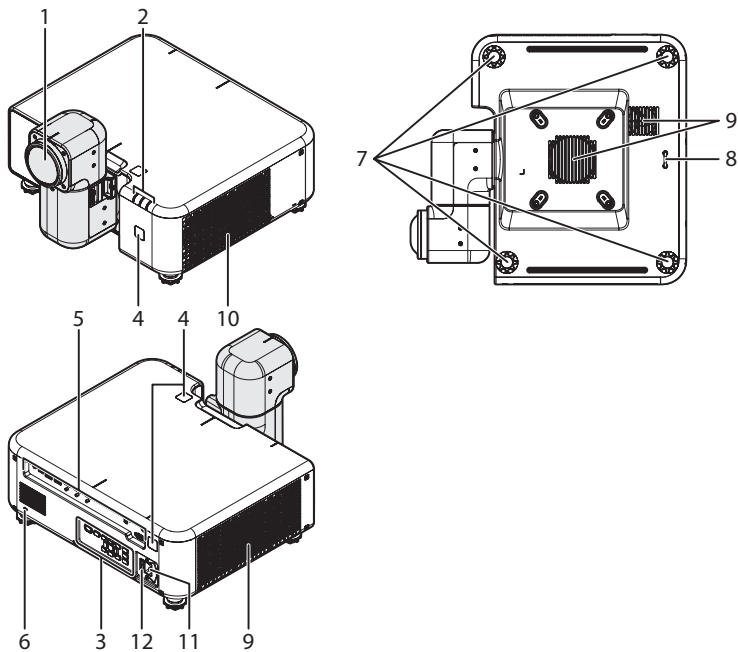


Basic Manual (this manual)



Lens Cap

Parts of the Projector



Item	Name	Item	Name
1	Lens	7	Adjustable feet
2	Indicator lamps (📖 32)	8	Security lock
3	Control panel	9	Intake vents
4	Remote receiver	10	Exhaust vent
5	Interface (connector) panel (📖 19)	11	Power connector
6	Security slot *	12	Main power

* Compatible with Kensington MicroSaver security system locks.

Installation

Installation and Storage Guidelines

Do not install or store the unit in the following locations:

- Places subject to vibration or impact: For example, areas where vibration from power sources is transmitted or inside vehicles or ships. Such conditions may damage internal components and cause malfunction.
- Near high-voltage power lines or power sources: These locations may be prone to electromagnetic interference.
- Areas with strong magnetic fields: Strong magnetic fields may result in malfunction.
- Outdoors or in areas with excessive moisture or dust: Locations with oil smoke, steam, or corrosive gases may cause the cabinet to deform or crack, corrode metal parts, or lead to malfunction.
- Near the seaside: Exposure to corrosive salt air may result in damage or product failure, including the risk of the product falling.
- Near the air outlet of an air conditioner: Direct exposure to hot or cold air may cause screen "flicker."
- Near lighting equipment (such as studio lamps): Sudden temperature changes may shorten the lifespan of the light source or cause the unit to deform or malfunction.
- In areas with high-output laser equipment: If laser light enters the projection lens, it may cause failure of the DLP chip.



CAUTION

If used in a dusty environment, the internal airflow system responsible for cooling and exhaust may be obstructed, leading to reduced brightness or damage.

Regular maintenance is required to prevent such issues.



CAUTION

Please do not install this unit in an enclosed space.

In the event that it must be installed in an enclosed space, please ensure that appropriate air conditioning or ventilation equipment is provided. Insufficient ventilation may cause heat to accumulate, potentially leading to the shutdown of the device.

When fixing this unit to the ceiling or wall, please ensure that the mounting screws and power cord do not come into contact with any metal parts inside the wall or ceiling.

Contact with metal parts may result in the risk of electric shock.

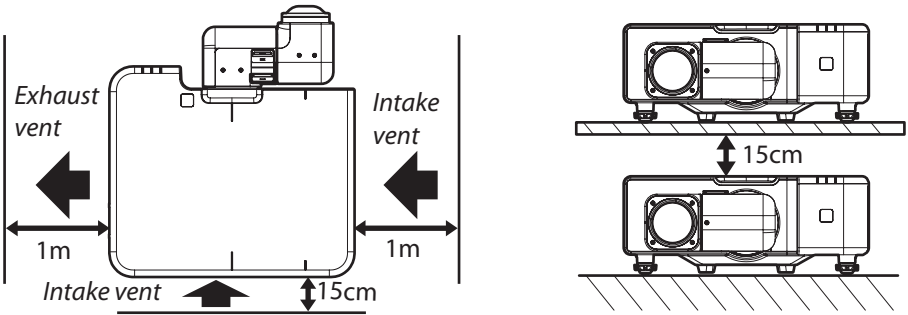
Please note that we cannot assume responsibility for any damage to the product caused by improper installation, even during the warranty period.

Lastly, we kindly request that you promptly remove and dispose of the product after it is no longer in use.

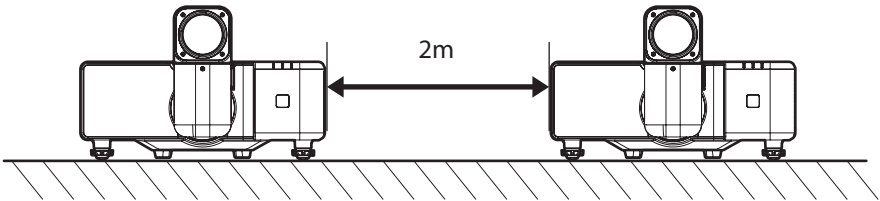
Choosing a Location

Spacing

When installing the projector, choose a location where the vents will be a safe distance from walls or other obstructions. When installing units one above another, for example on shelves, leave a distance of no less than approximately 15 cm (0.49 ft) between the shelves and the wall.



When installing two or more projectors side-by-side, leave a space of at least 2 m (6.56 ft) between them. You will also need to ensure that the warm air from the exhaust vent does not enter any of the projectors' intake vents.



CAUTION

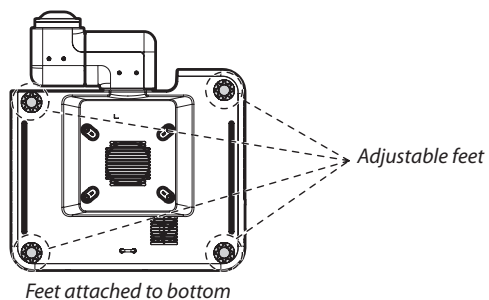
Do not obstruct the vents. The build-up of heat inside the projector could cause fire.

After startup, the image will shift a few pixels until the temperature of the lens is stabilized by the laser source; please check after 30 minutes to 1 hour. Also, do not adjust (readjust) the blending until it stabilizes.

If the projector is installed in a location where heat builds up, the image may become unstable. Please ensure that the installation meets the following conditions

Height Adjustment

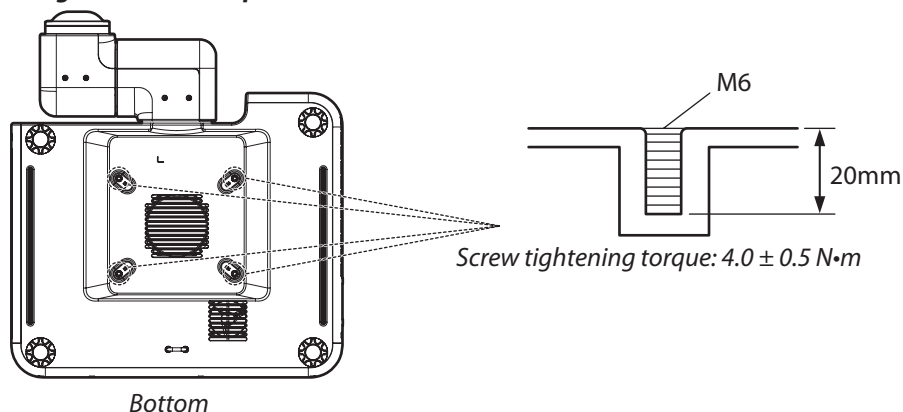
The height of the projector can be adjusted (by about 1.9 cm) using the adjustable feet.



Ceiling Mount Installation Precautions

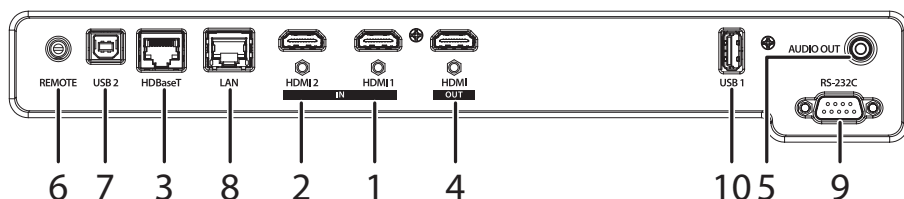
- When suspending the projector from the ceiling, be sure to use the specified ceiling mount.
- When installing the projector, attach the drop-prevention kit included with the ceiling mount. Refer to your dealer if you require a drop-prevention kit.
- Ceiling installations should be performed only by qualified technicians.
- See the ceiling mount installation instructions for details.

Ceiling Mount Screw Specifications



Connections

Connectors



	Connector	Description
VIDEO IN	1	HDMI 1 HDMI 2.0 (compatible with HDCP 2.2, accepts 3840 × 2160 60P input)
	2	HDMI 2 HDMI 2.0 (compatible with HDCP 2.2, accepts 3840 × 2160 60P input)
	3	HDBaseT RJ-45 for video/audio/connection control (accepts 3840 × 2160 60P input)
VIDEO OUT	4	HDMI OUT HDMI OUT (HDCP 2.2)
AUDIO OUT	5	Audio Out 3.5 mm stereo mini jack
CONTROL IN/OUT	6	Remote In Connect with remote controller
	7	USB Type B for maintenance
	3	HDBaseT RJ-45 for projector connection control
	8	LAN RJ-45 for network connection (10Base-T/100Base-TX)
	9	RS-232 D-Sub 9 pin for projector connection control
OTHER	10	USB (Power 5V1.5A) DC 5V 1.5A (Max)

* For more information, see the Complete Owner's Manual.



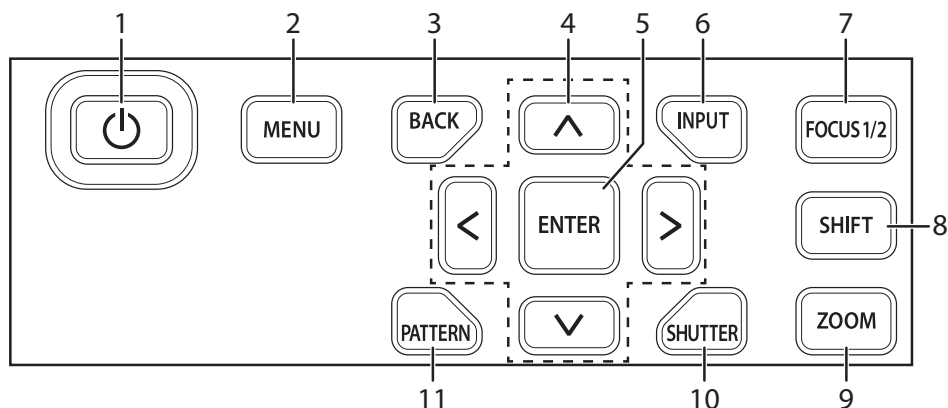
CAUTIONS

Before connecting cables, switch the projector to standby and confirm that the peripheral is either off or in standby mode. After connecting the cable to both devices, turn the projector on first and then turn on the peripheral. Some devices require an adapter and/or a dedicated cable.

Basic Operation

The Control Panel

Basic operations are performed using the control panel. The names and functions of the buttons on the control panel are given below.

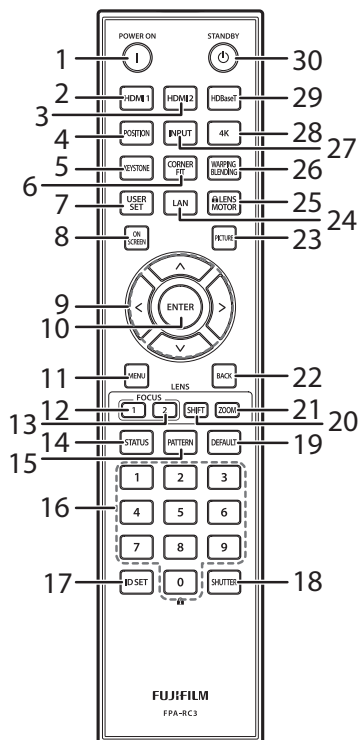


Item	Button	Function
1	POWER	Turn the projector on or switch it to standby.
2	MENU	Display the menus used to adjust projector settings.
3	BACK	Return to the previous menu.
4	▲▼◀▶ (Selector)	Navigate the menus.
5	ENTER	Select the highlighted menu item.
6	INPUT MENU	Select an input for the main image.
7	FOCUS1/2	Press a button to switch between FOCUS1 and FOCUS2
8	SHIFT	Adjust Lens shift.
9	ZOOM	Adjust Lens zoom.
10	SHUTTER	Temporarily suspend projection and mute audio. Press again to resume.
11	TEST PATTERN	Display a test pattern and choose the pattern.

Using the Remote Control

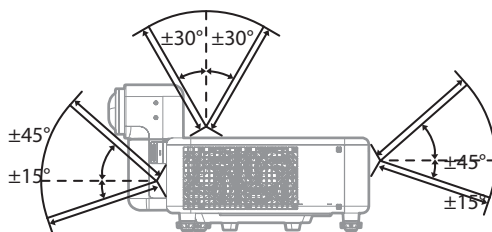
The Remote Control Buttons and Their Functions

The names and functions of the buttons on the remote control are listed below.



Remote Control Reception Range

The reception ranges for the projector's three remote control receivers are as follows:



- **Angle:** $\pm 30^\circ$, $-15^\circ \sim 45^\circ$
- **Distance:** Up to 12m (39 ft)

Item	Button	Function
1	POWER ON	Turn the projector on.
2	HDMI 1	Select HDMI 1.
3	HDMI 2	Select HDMI 2.
4	POSITION	Select projector position
5	KEystone	Adjust the keystone.
6	CORNER FIT	4 corners adjustment.
7	USER SET	Enter user settings menu.
8	ON SCREEN	Hide the menus. Press again to view the menu once more.
9	▲▼◀▶ (Selector)	Navigate the menus.
10	ENTER	Select the highlighted menu item.
11	MENU	Display the menus used to adjust projector settings.

Using the Remote Control

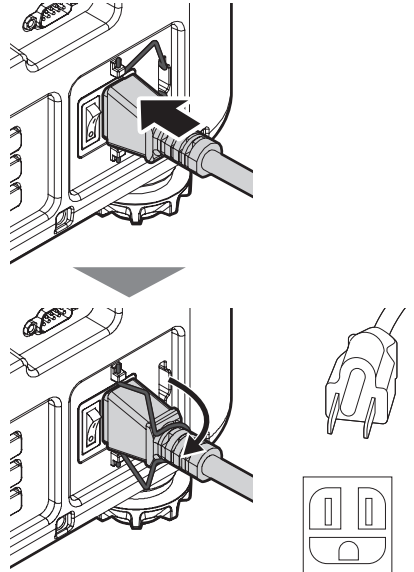
12	FOCUS 1	Adjust overall focus.
13	FOCUS 2	Adjust focus at the edges of the picture.
14	STATUS	View projector information.
15	PATTERN	Display a test pattern. To choose the pattern.
16	0 (LOCK)	Press and hold this button for four second to disable remote operation. Be sure a aim the remote at remote receiver when performing this operation. This setting can only be adjusted using the remote control.
17	ID	Display the IDs for the projector and remote control on the screen.
18	SHUTTER	Temporarily suspend projection and mute audio. Press again to resume."
19	DEFAULT	Restore default settings for the selected menu item.
20	SHIFT	Adjust Lens shift.
21	ZOOM	Adjust Lens zoom.
22	BACK	Return to previous level or exit menus if at top level.
23	PICTURE	Select picture mode.
24	LAN	Enter LAN setting menu.
25	LENS MOTOR	Lens motor lock.
26	WARPING BLENDING	Enter warping and blending function.
27	INPUT	Select an input for the main image.
28	4K	Select 4K setting ON/OFF.
29	HDBaseT	Select HDBaseT.
30	STANDBY	Switch the projector to standby.

On/Standby

Connecting the Power Cable

 **TIP:**
THE CABLE LOCK To prevent the power cable being disconnected, secure it to the projector using the supplied cable lock.

- 1 **Connect the supplied power cable to the projector and plug it into a power outlet.**
The cable is secure when you feel the tabs on the cable lock snap into place.



Use a three-pin socket.



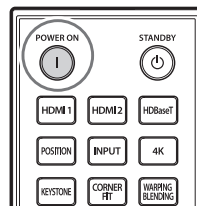
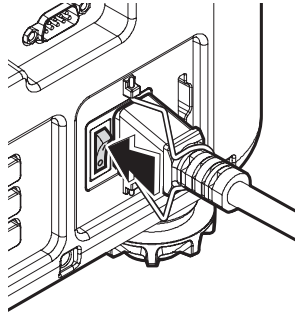
CAUTION

Use the supplied power cable only. In addition, note that supplied power cable is for use exclusively with this product. Do not use the power cable with any other device or the projector with any other power cable.

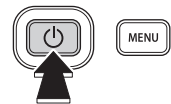
Using the Remote Control

Turning the Projector On

- 1 Turn the power switch on.
The projector will switch to standby mode.
The indicator lamps will light or flash red.
- 2 Press the power button to turn the projector on.
The indicator lamps will light green.
Projection will start after a brief pause.



Remote control



Projector

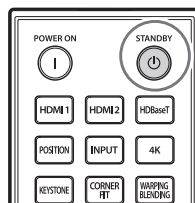


CAUTIONS

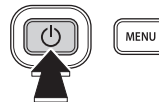
- Do not look directly into the lens while the projector is on.

Switching to Standby

Pressing the power button while the projector is on displays a confirmation dialog. Press the button again to switch the projector to standby. The cooling fan will turn off a few seconds later.



Remote control



Projector

Projector Settings

Rotating the Lens

The lens can be rotated and is equipped with latches for the arm and projector head. Rotate the lens as described below. Be sure to latch the lens while the projector is in use.

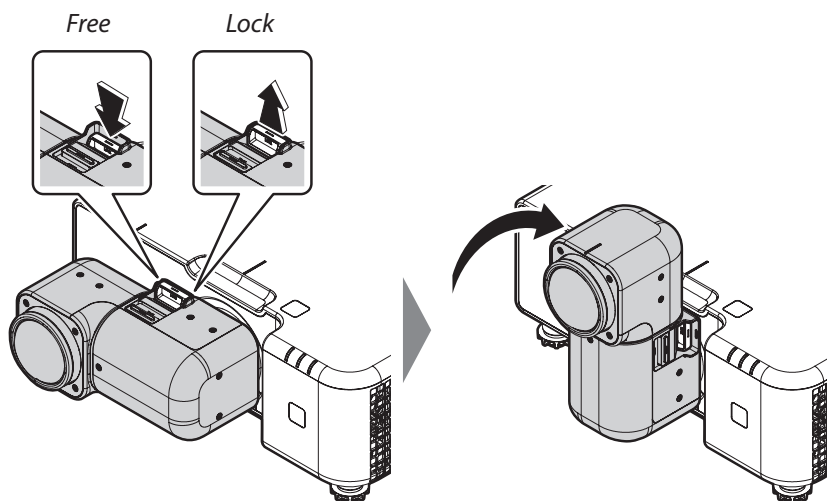


CAUTIONS

- Some portions of the projected image may not be visible depending on lens shift and the orientation of the lens.
- Do not rotate the lens while lens shift is in progress (i.e., while the image is moving).
- When rotating the lens, keep it supported and rotate it slowly.
- Pay attention to your surroundings when rotating the lens. Light from the product projected into the eyes could cause visual impairment.

Unlock : Rotation via the mount axis the lock lever

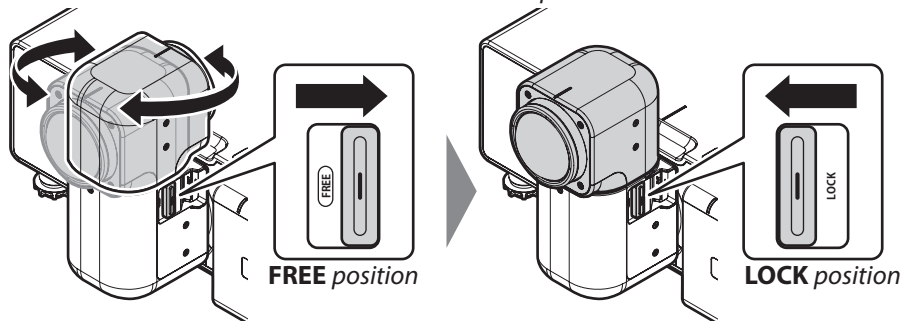
When the arm latch is disengaged by pressing the arm latch release, the arm can be rotated 90°. Lift the latch release to latch the arm once more.



Rotating the Projector Head

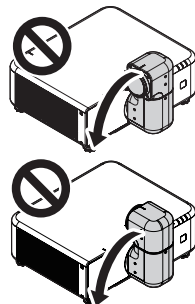
When the head latch is disengaged by sliding the head latch release to the **FREE** position, the projector head can be rotated 360° in 90° increments.

*The lens can be rotated when the head latch release is in the **FREE** position and latches when the release is in the **LOCK** position.*



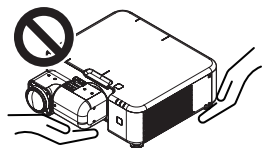
Do not return the lens to the storage position with the lens facing down. Failure to observe this precaution could scratch or break the lens.

CAUTION



CAUTION

When transporting the product, hold it by its base. Do not hold it by the lens or the opening around the lens. Failure to observe this precaution could damage the product.

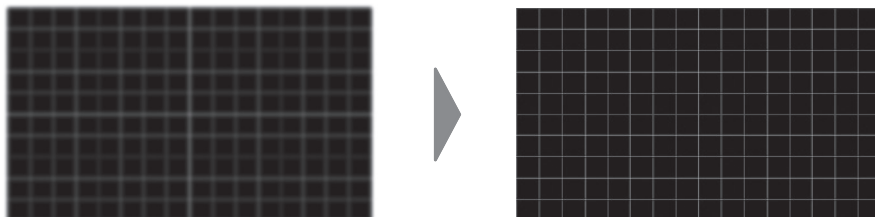


TIP

360 degrees projection with free orientation.

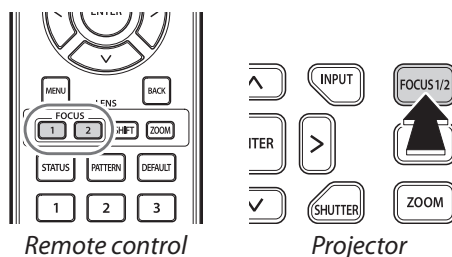
Focus

The sharpness of the projected image can be adjusted by focusing the projector. Use Test Pattern 1 when focusing.

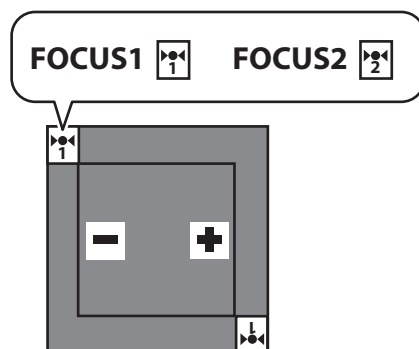


Step 1 Remote control: Use the “**FOCUS1**” and “**FOCUS2**” buttons on the remote control.

Projector: Press the **FOCUS1/2** button repeatedly until focus settings are displayed.



Step 2 Press the selector left or right to focus (page 30).
The selected focus setting (1 or 2) is identified by an icon.



Step 3 Press **BACK** to exit when the operation is complete.



TIP

Focus can also be adjusted from the menus.

Projector Settings

Adjusting Focus

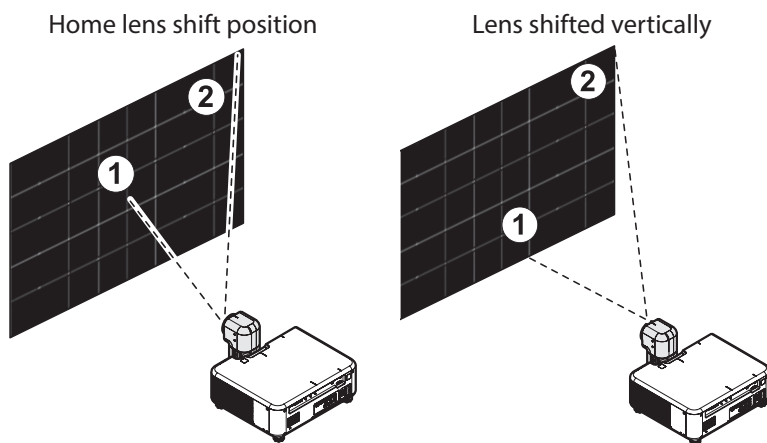
Focus can be adjusted using the **FOCUS1** and **FOCUS2** buttons on the remote control.

- **FOCUS1:** Adjust focus at a point along the lens's optical axis in the image.
- **FOCUS2:** Adjust focus at the edges of the picture.

To adjust focus, display Test Pattern 1 and follow the steps below.

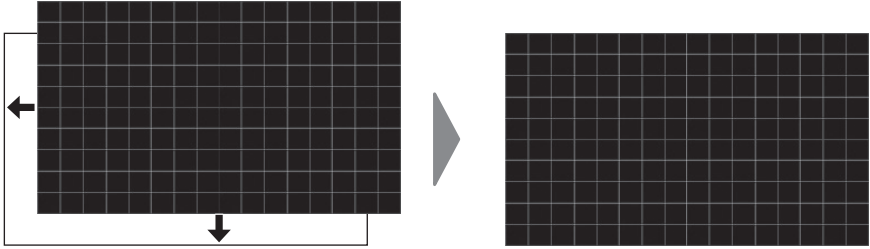
- ① Adjust overall focus using the **FOCUS1** button.
Adjust focus for the portion of the screen *closest to the lens*.
- ② Adjust focus at the edges using the **FOCUS2** button.
Adjust focus for the portion of the screen *farthest from the lens*.
- ③ Repeat Step ① to adjust overall focus using the **FOCUS1** button.
- ④ If the picture is not in focus, repeat Steps ① through ③.

Checking Focus



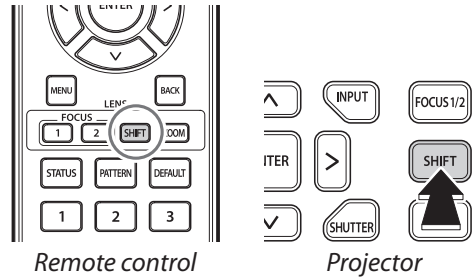
Lens Shift

The position of the projected image can be adjusted using lens shift. Use Test Pattern 1.

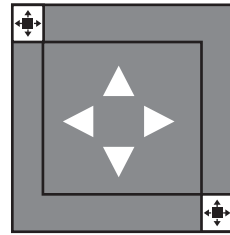


Step 1 Remote control: Press the **SHIFT** button.

Projector: Press the **SHIFT** button repeatedly until lens shift settings are displayed.



Step 2 Position the projected image using the selector (up, down, left, and right).



Step 3 Press **BACK** to exit.



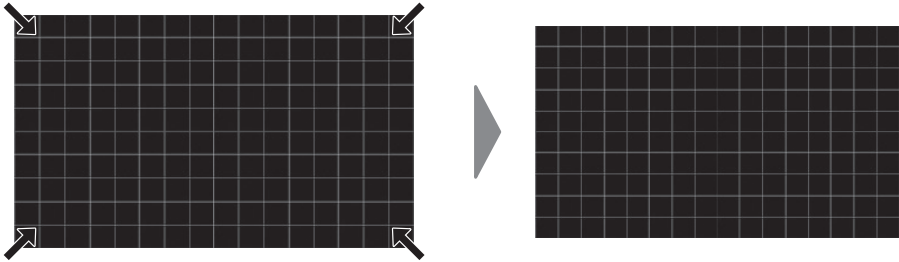
TIPS

- Lens shift can also be adjusted from the menus.
- Holding the **SHIFT** button for three seconds displays a confirmation dialog where the lens can be restored to the home position.

Projector Settings

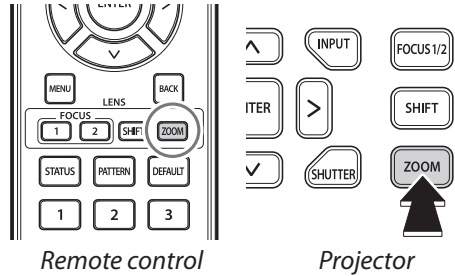
Zoom

The size of the projected image can be adjusted using zoom.

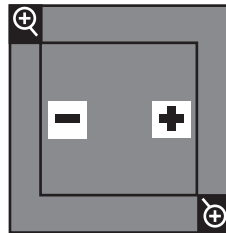


Step 1 Remote control: Press the **ZOOM** button.

Projector: Press the **ZOOM** button repeatedly until zoom settings are displayed.



Step 2 Press the selector left or right to adjust the size of the projected image.



Step 3 Press **BACK** to exit.



TIPS

- Zoom can also be adjusted from the menus.
- After adjusting the zoom, the focus may shift slightly, so please readjust the focus if necessary.

Choosing IDs

IDs let you operate multiple projectors, either separately or together, using a single remote control. This example sets the ID to "02".

1 Set the projector ID.

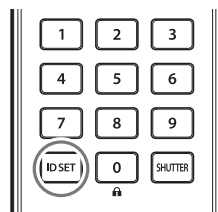
The projector ID defaults to "off".

- ① Select **Projector ID Setting** in the **SYSTEM SETUP: Basic** menu.
- ② Select **On** for **Projector ID Setting** in the ID selection display. Next, select "02" and press **ENTER**.

2 Set the remote control ID.

The remote control ID defaults to 00.

- ① **Remote control:** Press and hold **ID SET** on the remote control for three seconds.
→ The remote control operation backlight will start to flash for 3 seconds and then continue to turn on.
- ② Press "0" within 3 seconds and press "2" within 3 seconds
- ③ Press **ENTER** within 3 seconds.
→ The remote control operation backlight will turn off.



CAUTION

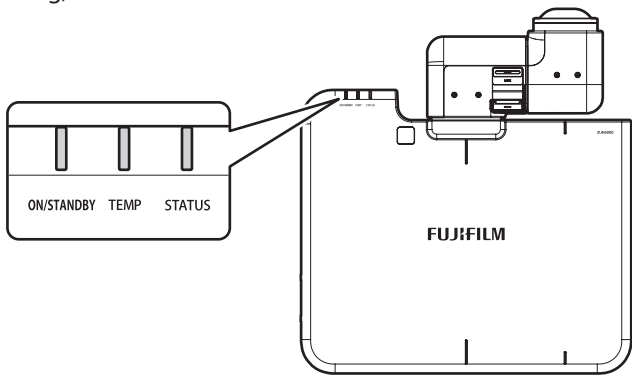
Once the operation is complete, check that the IDs on the projector and remote control are correct.

TIP

Projectors with IDs off can be controlled by remotes with any ID between "00" and "99".

Indicator Lamps

Projector status is shown by whether the indicator (**ON/STANDBY**, **TEMP**, and **STATUS**) lamps are on, flashing, or off.



The statuses shown by the condition of the indicator lamps are listed below.

Lamp			Projector status
ON/STANDBY	TEMP	STATUS	
Steady ●			Standby State
Flashing 1 ●			Warm up
Steady ●			Projector on
Flashing 1 ●			Communication Stadby
	Flashing 1 ●		Cooling down
Steady ●	Steady ●		AV mute(Shutter) is on
	Flashing 2 ●		Projector communication
	Flashing 3 ●●		Fimware upgrade
Steady ●	Steady ●	Steady ●	Projector on for Burnin
Flashing 1 ●	Flashing 1 ●		Standby for Burnin
Steady ●	Steady ●		Factory Reset
Steady ●	Flashing 1 ●	Flashing 1 ●	System Over Temp
Flashing 2 ●		Flashing 2 ●	LD Error
Flashing 2 ●	Flashing 1 ●	Flashing 2 ●	DMD Error
		Steady ●	Fan 1 Error
		Flashing 1 ●	Fan 2 Error
		Flashing 2 ●	Fan 3 Error
Steady ●		Steady ●	Fan 4 Error
Steady ●		Flashing 1 ●	Fan 5 Error
Steady ●		Flashing 2 ●	Fan 6 Error

Flashing 1 ●		Steady ●	Fan 7 Error
	Steady ●	Steady ●	Fan 8 Error
	Steady ●	Flashing 1 ●	Fan 9 Error
Flashing 1 ●		Flashing 1 ●	Filter wheel Error
Flashing 1 ●		Flashing 2 ●	Phosphor wheel Error
Steady ●		Steady ●	Power Lost



TIPS

The LED indicator supports three flashing modes:

- Flashing 1: Blinks once every 500 milliseconds.
- Flashing 2: Blinks once every 40 milliseconds.
- Flashing 3: Alternates between two colors every 500 milliseconds.
- If error occur, please contact the place of purchase.

Specifications

Model name		FP-ZUH6000-B, FP-ZUH6000-W
DLP chip	Size	0.65-inch, 16:9 aspect ratio
	Display method	1Chip DLP
	Number of pixels	2,073,600 pixels (1920x1080)
Lens	Type	Folded two-axial rotatable lens
	Shift	Electric: Vertical $\pm 82\%$, Horizontal $\pm 35\%$
	Zoom	Electric: x1.0 - x1.1
	Throw ratio (TR) ¹	0.34 (Wide) - 0.37 (Telephoto)
	Focal length	f=5.0 mm (Wide) - 5.5 mm (Telephoto)
	F No.	F2.3 (Wide) - F2.39 (Telephoto)
Keystone correction range		Vertical $\pm 5^\circ$ /Horizontal $\pm 5^\circ$
Light source		Laser diode
Brightness (ANSI lm) ²		6,000 lm
Light source half-life ³		Up to about 20000 hours
Contrast ratio ⁴		12,000:1
Projected image size		70-300 inches
Maximum display resolution (W x H)		4K 3840 x 2160 (4K mode ON)
Terminals	VIDEO IN	HDBaseT RJ-45 for video/audio/connection control (accepts 3840 x 2160 60P input)
		HDMI 1/HDMI 2 HDMI 2.0 (compatible with HDCP 2.2, accepts 3840 x 2160 60P input)
	VIDEO OUT	HDMI OUT (HDCP 2.2)
	AUDIO OUT	AUDIO OUT 3.5 mm stereo mini jack
	Control IN/OUT	Remote IN Connect with remote controller
		USB2 Type B for maintenance
		LAN RJ-45 for network connection (10Base-T/100Base-TX)
		HDBaseT RJ-45 for projector connection control
		RS-232C D-Sub 9 pin for projector connection control
	Other	USB 1 Type A for maintenance, DC 5V 1.5A (Max)
Power supply		100-240V~, 50/60Hz, 6.5A
Power consumption		Maximum 650W Normal: 560W Eco: 285W During standby Approx. 0.5W Communication standby Approx. 8W
Dimensions (W x D x H)		486mm (W) x 496mm (D) x 175mm (H) (excluding adjustable feet and protruding parts)
Weight		Approx.17.5 kg (38.6 lb)
Noise level ⁵	Normal	Typical 36dB and maximum 38dB
	Eco	Typical 34dB and maximum 36dB

Operating environment	Operating temperature	0–40 °C (32–104 °F)
	Operating humidity	10–85% (without condensation)
	Storage temperature	–20 – +60 °C (–4–140 °F)
Accessories included		Power cord 3.0m (9.8ft)
		Lens cap
		Remote control
		Remote control battery (AAA type x2)
		Basic Manual

- 1. The “throw ratio” is the throw distance divided by the screen width.
- 2. The average value for this model at shipment, according to ANSI standards.
- 3. The estimated time taken for brightness to drop by half. Varies with the operating environment and conditions of use.
- 4. Assumes that dynamic contrast ratio is on.
- 5. Noise measurement follows ISO 7779.

Lens Shift Range and Projection Distance

Lens Shift Range

