FUJIFILM

Projector

FP-ZUH6000-B
FP-ZUH6000-W

Owner's Manual

FUJIFILM
Z
PROJECTOR

Detailed Operating Instructions

Introduction

Before You Begin

Installation

Menus

Technical Notes

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Safety Precautions

▼ For Your Safety

▼ Safe Use of Lasers

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.
- 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 gas 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.
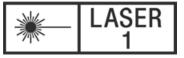
⚠ CAUTIONS

- 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 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, benzine (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.
- 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 or cause accidents.
- 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 danger- ous 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.
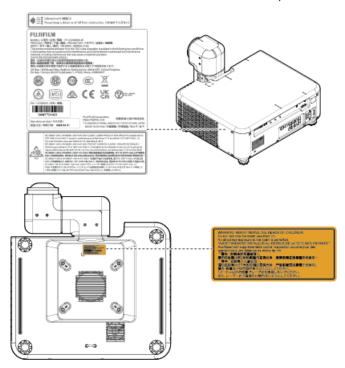
Notes on the Laser

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

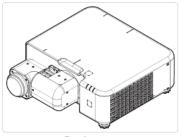"Product label (Rating label) on the side of the product."

Specifications of Laser Source

■ FP-ZUH6000-B, FP-ZUH6000-W

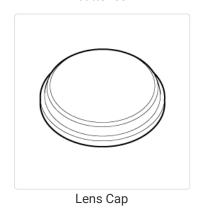- **Wavelength**: 455 nm
- Maximum Output: 228 W

Package Contents

Projector
(The above figure shows it in its storage state.)

Remote control with two AAA batteries
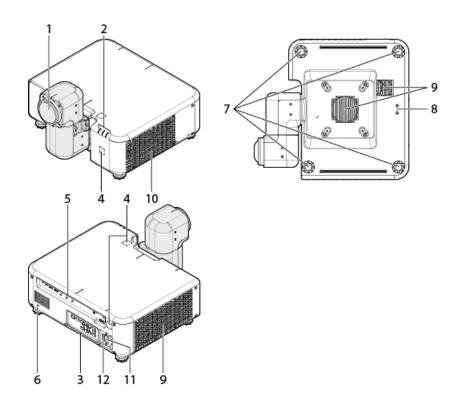
Power cable (3.0 m/9.8 ft)

Basic Manual

Lens Cap

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Parts of the Projector: Names and Functions

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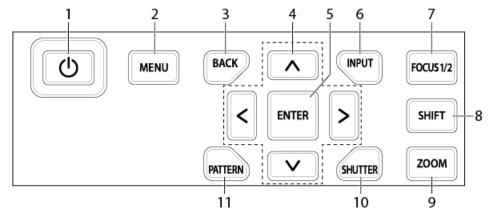
Item	Name
7	Adjustable feet
8	Security lock
9	Intake vents
10	Exhaust vent
11	Power connector
12	Main power

* Compatible with Kensington MicroSaver security system locks.

▼ Control panel

▼ Rotating the Lens

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	**▲▼◄► (Cross key)**	Navigate the menus.
5	**ENTER**	Select the highlighted menu item.
6	**INPUT**	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 ◄ ► key.

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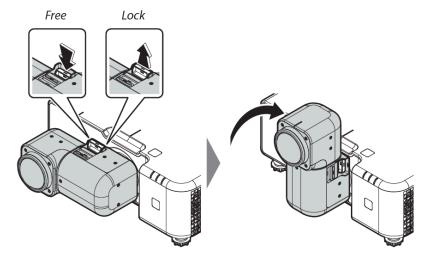
The lens can be rotated and is equipped latches for the arm and projector head. Rotate the lens as described below. Be sure to latch the lens while projector is in use.

> ⚠ **CAUTIONS**
>
> - Some portions of the projected image may not be visible depending on lens shift and the orientation of the lens.
> - When rotated, the lens automatically returns to the previous shift position, causing the picture move. 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.
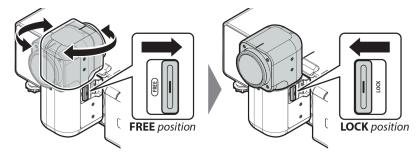
Rotating the Arm

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.

Free   *Lock*

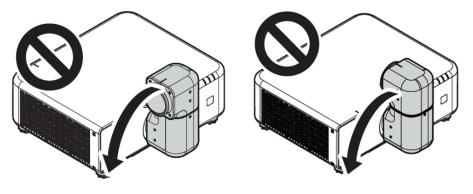## Rotating the Arm

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.

FREE *position*   **LOCK** *position*

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.

⚠ **CAUTIONS**

Do not return the arm to the storage position with the lens facing down. Failure to observe this precaution could scratch or break the lens.
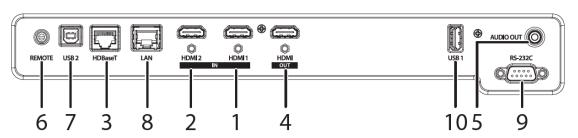
> ⚠ **CAUTIONS: When transporting the product, hold it by its base. Do not hold it by the lens or the opening around the lens. Failure to observe this precaution could damage the product.**
>
>
>
> TIP: 360 degrees projection with free orientation.

Connectors

Connect each cable to the appropriate connector for the connected device.

Connector			Description
VIDEO IN	1	HDMI 1 Connector	HDMI 2.0 (compatible with HDCP 2.2, accepts 3840 x 2160 60P input)
	2	HDMI 2 Connector	HDMI 2.0 (compatible with HDCP 2.2, accepts 3840 x 2160 60P input)
	3	HDBaseT Connector	RJ-45 for video/audio/connection control (accepts 3840 × 2160 60P input)

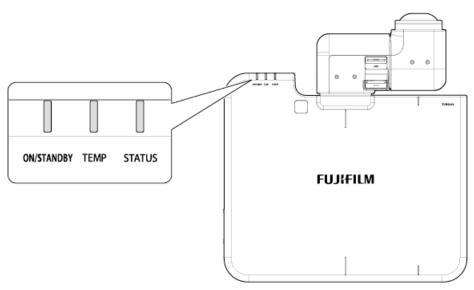| VIDEO OUT	4	HDMI OUT Connector	HDMI OUT (HDCP 2.2)
AUDIO OUT	5	Audio Out Connector	3.5 mm stereo mini jack
CONTROL IN/OUT	6	Remote In Connector	3.5 mm stereo mini jack
	7	USB 2 Connector	Type B for maintenance
	3	HDBaseT Connector	RJ-45 for projector connection control
	8	LAN Connector	RJ-45 for network connection (10Base-T/100Base-TX)
	9	RS-232 Connector	D-Sub 9 pin for projector connection control
OTHER	10	USB 1 Connector (Power 5V1.5A)	DC 5V 1.5A (Max)

⚠ **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.

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			
ON/STANDBY	TEMP	STATUS	Projector status

🔴 Red Steady	-	-	Standby State
🟢 Green Flashing 1	-	-	Warm up
🟢 Green Steady	-	-	POWER ON
🔴 Red Flashing 1	-	-	Communication Standby
-	🟠 Orange Flashing 1	-	Cooling down
🟢 Green Steady	🟢 Green Steady	-	AV mute (Shutter) is on
-	🟢 Green Flashing 2	-	Projector communication
Flashing 1	Flashing 1	-	Standby for Burnin
🔴 Red Steady	🟢 Green Steady	-	Factory Reset
🟢 Green Steady	🔴 Red Flashing 1	🟠 Orange Flashing 1	System Over Temp
🟢 Green Flashing 2	-	🟠 Orange Flashing 2	LED Error
🟢 Green Flashing 2	🔴 Red Flashing 1	🟠 Orange Flashing 2	DMD Error
-	-	🟠 Orange Steady	Fan 1 Error
-	-	🟠 Orange Flashing 1	Fan 2 Error
-	-	🟠 Orange Flashing 2	Fan 3 Error
🟢 Green Steady	-	🟠 Orange Steady	Fan 4 Error
🟢 Green Steady	-	🟠 Orange Flashing 1	Fan 5 Error
🟢 Green Steady	-	🟠 Orange Flashing 2	Fan 6 Error
🟢 Green Flashing 1	-	🟠 Orange Steady	Fan 7 Error
-	🔴 Red Steady	🟠 Orange Steady	Fan 8 Error
-	🔴 Red Steady	🟠 Orange Flashing 1	Fan 9 Error
🟢 Green Flashing 1	-	🟠 Orange Flashing 1	Filter wheel Error

☀ Green Flashing 1	-	☀ Orange Flashing 2	Phosphor wheel Error
☀ Orange Steady	-	☀ Orange Steady	Power Lost

> **📑 MEMO**
>
> The LED indicator supports three flashing modes:
>
> - Flashing 1: Blinks once every 500 milliseconds.
> - Flashing 2: Blinks once every 40 milliseconds.
> - "If error occur, please contact the place of purchase."

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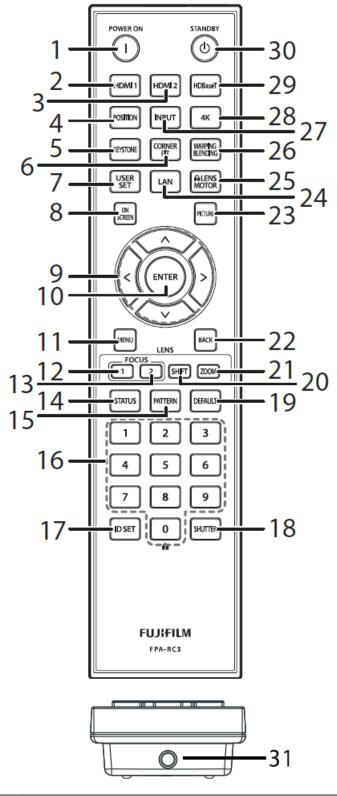# The Remote Control

▼ The Remote Control Buttons and Their Functions

▼ Remote Control Reception Range

▼ Choosing IDs

The Remote Control Buttons and Their Functions

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

Item	Button	Function
1	**POWER ON**	Turn the projector on.
2	**HDMI1**	Select HDMI 1.
3	**HDMI2**	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.
12	**FOCUS1**	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	**10-key pad**	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. This setting can only be adjusted using the remote control.
20	**SHIFT**	Adjust Lens shift.
21	**ZOOM**	Adjust Lens zoom.
22	**BACK**	Return to the previous menu.
23	**PICTURE**	Select picture mode.
24	**LAN**	Enter LAN setting menu.
25	**LENS MOTOR**	Set the lens adjustment function On/Off. (Focus adjustment, shift adjustment, and zoom adjustment operations)
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.
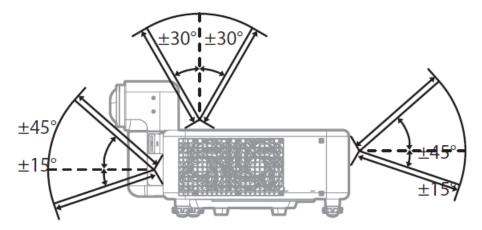
31	Remote Output	When using the remote control via a wired connection, connect it to the projector's remote input terminal using a commercially available m3 stereo mini jack cable.

📑 **MEMO**

When the remote output terminal is used, the remote control does not emit infrared rays.

Remote Control Reception Range

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

- **Angle**: ±30°, -15°～45°
- **Distance**: Up to 12m (39 ft)

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.

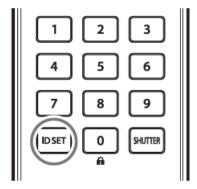Display the IDs by pressing the **ID SET** button on the remote control.

Select **Projector ID Setting** in the **SYSTEM SETUP: Basic** menu.
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 lamp 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 using the 10-key pad.

③ Press ENTER within 3 seconds.

Υ The remote control operation lamp will turn off.

⚠ **CAUTIONS**

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

📑 **MEMO**

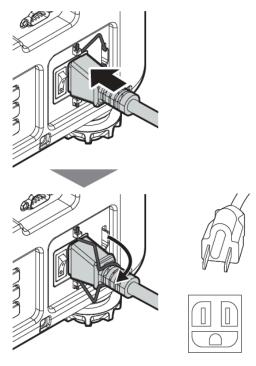Projectors with IDs off can be controlled by remotes with any ID between "01" and "99".

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Basic Operation

Connecting the Power Cable

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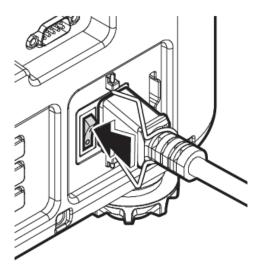
> 📑 **TIP: THE CABLE LOCK**
>
> To prevent the power cable being disconnected, secure it to the projector using the supplied cable lock.

> ⚠️ **CAUTIONS**

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.
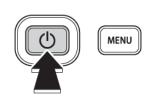
Turning the Projector On

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 |
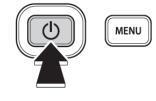
⚠ **CAUTIONS**

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

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Overview

▼ Installation and Storage Guidelines

▼ Spacing

▼ Height Adjustment

▼ Ceiling Mount Installation Precautions

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.

> ⚠ **CAUTIONS**
>
> 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.
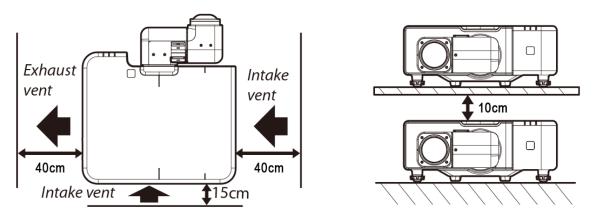
> ⚠ **CAUTIONS**
>
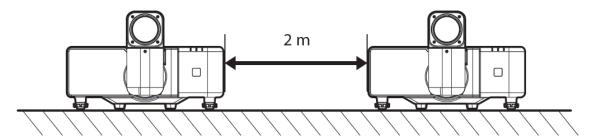> - Please do not install this unit in an enclosed space.

- 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.

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 10 cm (0.33 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.
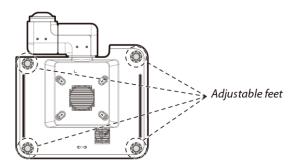
⚠ CAUTIONS

- 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 above conditions.

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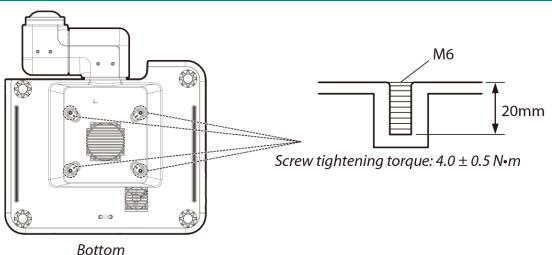
The height of the projector can be adjusted (by about 1.9 cm) using the adjustable feet.

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.
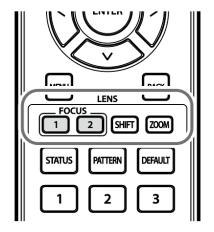
Ceiling Mount Screw Specifications

M6

20mm

Screw tightening torque: 4.0 ± 0.5 N•m

Bottom
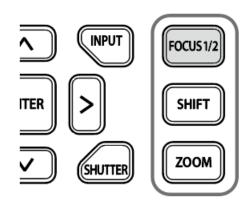
Positioning and Focusing the Image

The chief tools for positioning and focusing the projected image (lens shift, focus, and zoom) can be accessed via the LENS button on the control panel and the various lens option buttons on the remote control.

Remote control
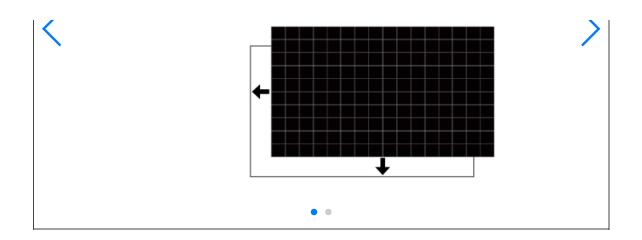
Projector

▼ Lens Shift

▼ Focus

▼ Zoom

▼ Positioning

Lens Shift
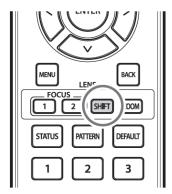
Adjust the position of the projected image using lens shift.

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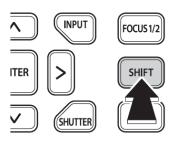
1
Remote control: Press the **SHIFT** button.

Remote control

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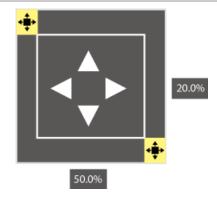
Projector

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

> 📑 **TIP**
>
> The current shift position is displayed as a percentage.

20.0%

50.0%

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.

Focus 🎞️1 🎞️2

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

Before
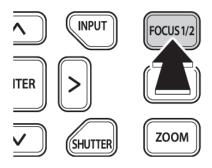
1 **Remote control** : Use the **"FOCUS1"** and **"FOCUS2"** buttons on the remote control.
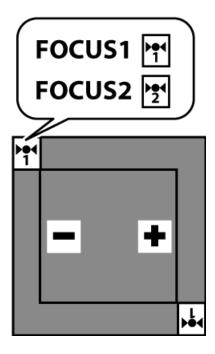
Projector : Press the **FOCUS1/2** button repeatedly until focus settings are displayed.

Remote control

Projector

2 Press the selector left or right to focus.

The selected focus setting (1 or 2) is identified by an icon.

---

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

> 📑 **TIP**
>
> Focus can also be adjusted from the menus.

Adjusting Focus

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

- **FOCUS1**: Adjust overall focus.
- **FOCUS 2**: Adjust focus at the edges of the picture.

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

1. Use the **FOCUS1** button to adjust the overall focus. (①)

   Adjust the focus by looking at the image area that appears closest between the lens and the screen.

2. Use the **FOCUS2** button to adjust the peripheral focus. (②)
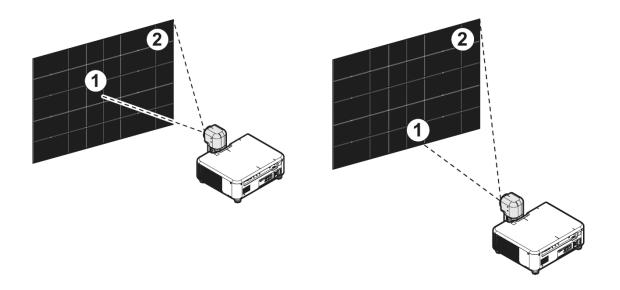
   Adjust the focus by looking at the image area that appears farthest between the lens and the screen.

3. Repeat Step ① to adjust overall focus using the **FOCUS1** button.

4. If proper focus cannot be achieved, repeat Steps 1 through 3 until it is adjusted correctly.

■ Checking Focus
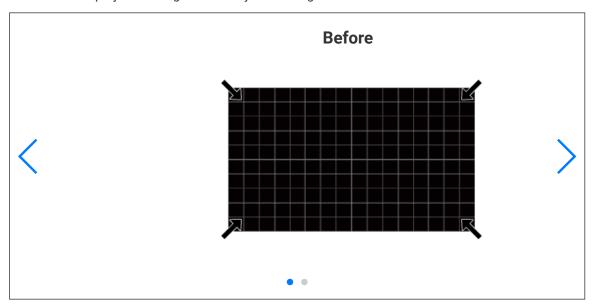
Home lens shift position   Lens shifted vertically
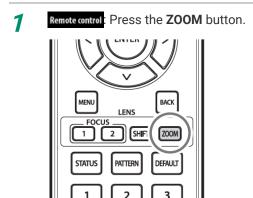
Zoom ⊕
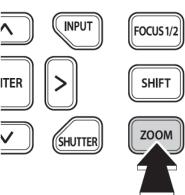
The size of the projected image can be adjusted using zoom.

Before

1   [Remote control]: Press the **ZOOM** button.

Remote control
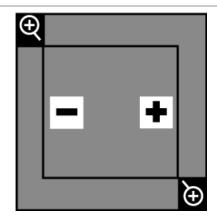
[Projector]: Press the **ZOOM** button repeatedly until zoom settings are displayed.

Projector

2   Press the selector left or right to adjust the size of the projected image.
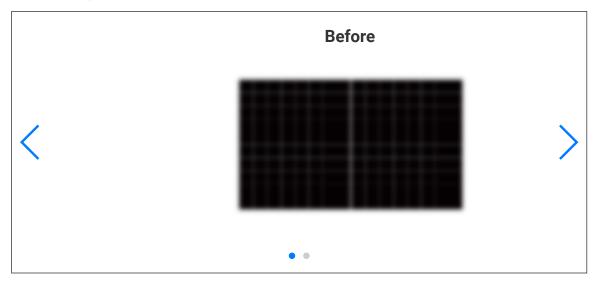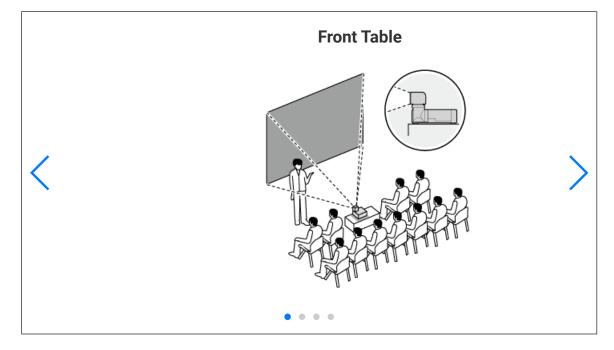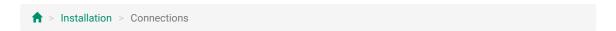
3   Press **BACK** to exit.

📑**TIPS**

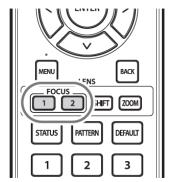- Zoom can also be adjusted from the menus.
- After adjusting the zoom, the focus may shift slightly, so please readjust the focus if necessary.

Positioning
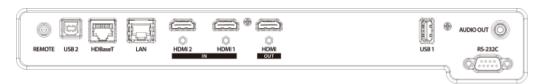
Choose an option according to the location of the projector and screen.

Select **Front Table**, **Rear Table**, **Front Ceiling**, or **Rear Ceiling** for **Projector Position** in the **DISPLAY** menu (👉**Projector Position**).

Front Table

FUJIFILM
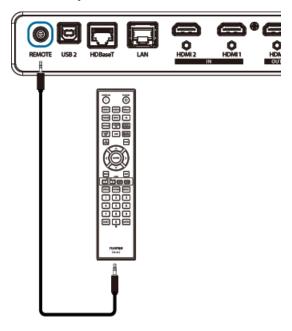
Connections

▼ Connecting the Remote Control (Wired)

▼ Connection with HDBaseT-compatible transmission devices (commercially available)

▼ Connection with LAN-compatible devices

▼ Connection with HDMI-compatible devices

▼ Connection with audio equipment

▼ Connection with RS-232C terminal (serial port)

Connecting the Remote Control (Wired)

Connect the remote control's remote output terminal to the projector's remote input terminal using a commercially available m3 stereo mini jack cable.

⚠ CAUTIONS

- Operation is not guaranteed in all connection environments.
- When the remote output terminal is used, the remote control does not emit infrared rays.
- The projector's built-in remote control sensor remains enabled by default.
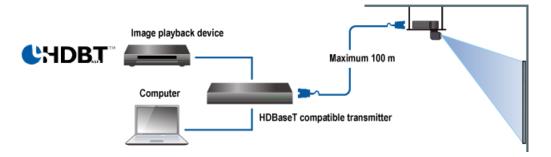
   To disable it, go to 👉 **System Settings: Basic / Set Remote Control Sensor** to Off.

Connection with HDBaseT-compatible transmission devices (commercially available)

When connecting to a commercially available HDBaseT-compatible transmission device, use the HDBaseT terminal.

Connection Schematic

📑 **MEMO**

- In System Settings: Advanced, set the operation channel to HDBaseT under LAN Settings to enable LAN communication via the HDBaseT terminal.

⚠️ **CAUTIONS**
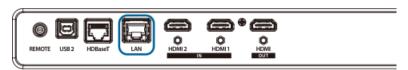
- Please use a shielded STP Cat cable of category 5e or higher.
- The maximum transmission distance over a Cat cable is approximately 100 meters.
- The HDBaseT terminal on this unit supports transmitters compatible with serial communication and infrared signals.

   To enable infrared over HDBaseT, go to 👉 **System Settings: Basic / Set Remote Control Sensor** to HDBaseT.
- This unit does not guarantee operation with all commercially available HDBaseT-compatible transmitters or under all connection environments.
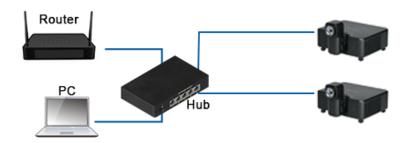
Connection with LAN-compatible devices

When connecting to LAN-compatible devices, use a commercially available LAN cable to connect to the LAN terminal.

Connection Schematic
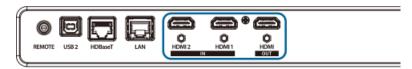
> ⚠ **CAUTIONS**
>
> - If the operation channel is set to HDBaseT in System Settings: Advanced / LAN Settings, the LAN terminal will be disabled.
> - This product cannot be directly connected to communication lines provided by telecommunications carriers (such as mobile network operators, fixed-line companies, or internet service providers). To connect this product to the internet, always do so via a router or similar device.

Connection with HDMI-compatible devices

When connecting to HDMI-compatible devices, use the HDMI terminal.

> 🗒 **MEMO**
>
> - The HDMI OUT terminal can be switched between HDMI1 and HDMI2 in the 👉 **Input Menu > Output Settings**.

> ⚠ **CAUTIONS**

- When inputting or outputting 18 Gbps signals, such as 3840×2160 60p 4:2:2 video, please use a compatible HDMI cable.

Connection with audio equipment

To output the audio from the projected image to audio equipment, connect to the AUDIO terminal.
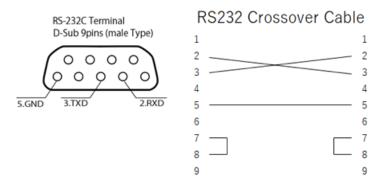
Connection with RS-232C terminal (serial port)

To control this unit via RS-232C, connect to the RS-232C terminal.

Pin Assignment

📝**MEMO**

- When connecting to a PC or similar device, please use a commercially available cross cable.

FUJIFILM

Menu List

The projector menus are organized as shown below.

▼ DISPLAY

▼ PICTURE

▼ SOURCE

▼ SYSTEM SETUP : Basic

▼ SYSTEM SETUP : Advanced

▼ STATUS

DISPLAY

Menu	Options (defaults in bold)
Lens Settings	Lens Shift: –
	Lens Shift Settings: Shift Area (**Limited** / Full); Home Position (**No** / Yes); Calibration (**No** / Yes)
	Lens Shift Memory: Select Memory (Memory 1~Memory 5); Load; Save; Clear; All Clear (**Cancel** / Reset)
	Lens Motor Lock: Lock / **Unlock**
	Focus 1: –
	Focus 2: –
	Zoom: –
Test Pattern	**Off** / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16
Projector Position	**Front Table** / Rear Table / Rear Ceiling / Front Ceiling
Aspect Ratio	**Auto** / Real / 4:3 / 16:10 / 16:9 / 21:9
Digital Zoom	Proportional: On / **Off**

	Horizontal: 50%~**100%**~400%	
	Vertical: 50%~**100%**~400%	
	Digital Shift: Horizontal (0~**50**~100) / Vertical (0~**50**~100)	
	Reset: **Cancel** / Reset	
Raster Position	Horizontal: -1000~**0**~1000 (The upper/lower limit depends on signal or aspect ratio)	
	Vertical: -600~**0**~600 (The upper/lower limit depends on signal or aspect ratio)	
	Reset: **Cancel** / Reset	
Blanking	Upper: **0**~300pixel	
	Lower: **0**~300pixel	
	Left: **0**~500pixel	
	Right: **0**~300pixel	
Warping & Blending	Warping & Blending Setting: **Off** / On / Application	
	Grid Points: **2x2** / 3x3 / 5x5 / 9x9 / 17x17	
	Warp Inner: On / **Off**	
	Warp Sharpness: 0~**19**	
	Grid Color: **White** / Red / Green / Blue / Magenta / Cyan	
	Grid Background: Black / **Transparent**	
	Blend Settings: Blend Width; Overlap Grid Number (**4** / 6 / 8 / 10 / 12); Gamma (1.8~**2.2**~2.4)	
	Memory: Select Memory (Memory 1~Memory 5); Load; Save; Clear; All Clear (Cancel / **Reset**)	
	Reset: **Cancel** / Reset	
Keystone	V: -60~**0**~60	
	H: -60~**0**~60	
Corner Fit	Top Left: V: **0**~80 / H: **0**~120	
	Top Right: V: **0**~80 / H: **0**~120	
	Bottom Left: V: **0**~80 / H: **0**~120	
	Bottom Right: V: **0**~80 / H: **0**~120	
Pincushion	Horizontal: 0~**50**~100	

Menu	Options (defaults in bold)
	Vertical: 0~**50**~100

PICTURE

Menu	Options (defaults in bold)
Picture Mode	**Bright** / Standard[PROVIA] / Vivid[Velvia] / Cinema[ETERNA] / Multi Projection[sRGB] / High Speed / HDR
Brightness	0~**50**~100
Contrast	-50~**0**~50
TINT	-50~**0**~50
Saturation	-50~**0**~50
Gamma	1.6~**2.2**~3.3
Sharpness	1~**8**~15
Color Temperature	3200K / 4200K / 5200K / 6200K / 6500K / **Default** / 8200K / 9300K
Color Temperature Fine Tuning	R / G / B Gain: 0~**100**~200
	R / G / B Offset: -50~**0**~50
7colors Tuning	R, G, B, C, M, or Y Selected for Color • Hue: 0~254 • Saturation: 0~254 • Gain: 0~254
	W Selected for Color • R Gain: 0~254 • G Gain: 0~254 • B Gain: 0~254 • White Peaking: 0~100
Dynamic Contrast	DynamicBlack: On / **Off**
	Speed: **1**~255
	Level: 50~**100%** (1%/Step)
	Extreme Black: On / **Off**
	Light Out Timer: **0 sec**~20 sec (1 sec/Step)
	Light Out Signal Level: **1**~255
	Lights On Threshold: **0**~127

	Reset: **Cancel** / Reset

INPUT

MENU	Options (defaults in bold)
SOURCE	HDMI 1 / HDMI 2 / HDBaseT
Output	HDMI 1 / HDMI 2
Color Space Conversion	**Auto** / RGB(0-255) / RGB(16-235) / YUV / REC709
HDMI 1 Equalizer	**Auto** / 1 / 2 / 3 / 4 / 5 / 6 / 7
HDMI 2 Equalizer	**Auto** / 1 / 2 / 3 / 4 / 5 / 6 / 7
Backup Input Settings	Auto Switch: On / **Off**
	Current Signal: HDMI 1 / HDMI 2 / HDBaseT (read-only)
	First Input: **HDMI 1** / HDMI 2 / HDBaseT
	Second Input: HDMI 1 / **HDMI 2** / HDBaseT
	Current Signal, Backup Input Status, Backup Input Change, First Input (Resolution, Vert Refresh, Horz Refresh, Color Space, HDR), Second Input (Resolution, Vert Refresh, Horz Refresh, Color Space, HDR) (read-only)
EDID Settings	HDMI 1: **2.0** / 1.4 / Custom
	HDMI 2: **2.0** / 1.4 / Custom
	HDBaseT: **2.0** / 1.4 / Custom
HDR	**Auto** / Off

SYSTEM SETUP : Basic

Menu	Options (defaults in bold)
Language	24 Langouage
Menu Settings	Menu Display Time: 5 sec / 10 sec / 20 sec / 30 sec / **Always**
	Menu Position: **Center** / Top Left / Top Right / Bottom Right / Bottom Left
	Reminder Message: **On** / Off

	Menu Transparency: **0**~90
Background Color	**FUJIFILM(Blue)** / FUJIFILM(White) / FUJIFILM(Black) / Black / Blue / Custom
Remote Receiver	Front: **On** / Off
	Top: **On** / Off
	Rear: **On** / Off
	HDBaseT: On / **Off**
Projector ID Settings	Enable: On / **Off**
	Projector ID: **00**~99
Panel Key Lock	On / **Off**
Backlight Preferences	Panel Key: On / Off / **5 sec** / 10 sec / 20 sec / 30 sec
	Indicator: **On** / Off / Warning Errors Only
Security Settings	**New** / Change Password: Enter Security Code (4 digits)
	Power On Lock: On / **Off**
Audio Settings	Mute: On / **Off**
	Volume: 0~**50**~100
4K Settings	**On** / Off
High Altitude Mode	On / **Off**
Reset Settings	Display Settings: **Cancel** / Reset
	Picture Settings: **Cancel** / Reset
	BASIC Settings: **Cancel** / Reset
	ADVANCED Settings: **Cancel** / Reset
	Initialize: **Cancel** / Reset

SYSTEM SETUP : Advanced

Menu	Options (defaults in bold)
Light Source Mode	**Normal** / Eco
Light Output	Light Output Setting: 10%~**100%** (1%/Step)
	Brightness Compensation: On / **Off**

Shutter Setting	Fade-In: **Off** / 0.5 sec / 1 sec / 1.5 sec / 2 sec / 2.5 sec / 3 sec / 3.5 sec / 4 sec / 4.5 sec / 5 sec (0.5 sec/Step)
	Fade-Out: **Off** / 0.5 sec / 1 sec / 1.5 sec / 2 sec / 2.5 sec / 3 sec / 3.5 sec / 4 sec / 4.5 sec / 5 sec (0.5 sec/Step)
	Startup: On / **Off**
Operation Settings	Direct Power On: On / **Off**
	Signal Power On: On / **Off**
	Auto Power Off: **0**～ 180 min (5 min/Step)
	Sleep Timer: **0.0**～ 16.0 hr (0.5 hr/Step)
Standby Mode	Standby / **Communication**
Date and Time Settings	Clock Mode: **Manual** / NTP
	Date: [YYYY/MM/DD]
	Time: [HH:MM]
	Daylight Saving Time: On / **Off**
	NTP Server IP Address: [xxx/xxx/xxx/xxx]
	Time Zone: UTC+14:00~**UTC+00:00**~UTC-12:00
	Update Interval: **Hourly** / Daily
	Apply: **Yes** / No
Schedule Settings	Schedule Enable: On / **Off**
	Daily / Sunday / Monday / Tuesday / Wednesday / Thursday / Friday / Saturday: (Off / Schedule Enable (Off / **On**)); Event 01~Event 16: (Time / Function / Event / Reset); Copy Events To: (Monday / Tuesday / Wednesday / Thursday / Friday / Saturday / Sunday); Reset the Day (**Cancel** / Reset)
	Reset: **Cancel** / Reset
LAN Settings	Status: Connected / Disconnected (read-only)
	MAC Address: [XX:XX:XX:XX:XX:XX] (read-only)
	Control Channel: **LAN** / HDBaseT
	IPv4 Settings: DHCP (On / **Off**); Projector IP Address ([xxx/xxx/xxx/xxx]); Subnet Mask ([xxx/xxx/xxx/xxx]); Default Gateway: ([xxx/xxx/xxx/xxx]); Primary DNS: ([xxx/xxx/xxx/xxx]); Secondary DNS: ([xxx/xxx/xxx/xxx]); Apply
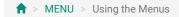
	IPv6 Settings: DHCP (On / **Off**); Projector IP Address ([xxxx:xxxx: xxxx:xxxx:xxxx:xxxx:xxxx:xxxx]); Prefix (0~128); Default Gateway: ([xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx]); DNS: ([xxxx:xxxx:xxxx: xxxx:xxxx:xxxx:xxxx:xxxx]); Apply
LAN Control	Crestron Connected V2: On / **Off**
	Extron IP LINK: On / **Off**
	PJLink: **On** / Off
	AMX Device Discovery: On / **Off**
	Telnet: **On** / Off
	HTTP: **On** / Off
Serial Setting	9600 / 19200 / 38400 / 57600 / **115200**
User Settings	Select Memory: Memory 1~Memory 5
	Load –
	Save –
	Clear –
	All Clear (Cancel / **Reset**)
Filter Settings	Filter Usage Time: XX hr (display only)
	Filter Reminder Limit: 4000 / 3500 / 3000 / 2500 / 2000 / 1500 / **1000** hours
	Reset Filter Usage Time: **Cancel** / Reset

STATUS

MENU	Options (defaults in bold)
Overview	Current System Status
System	Model Name, Serial Number, Standby Mode, Picture Mode, 4K Setting, Light Source Mode, Light Source Usage Total Hours, Total Projector Hours, System Temperature, Fan Info, Lens Motor Lock, and Current System Status (read-only)
System Temperature / Fan Information	DMD Board Temperature, Ambient Temperature, BLD1 Temperature, BLD2 Temperature, BLD5 Temperature, BLD6 Temperature, Fan1 Temperature, Fan2 Temperature, Fan3 Temperature, Fan4 Temperature, Fan5 Temperature, Fan6

	Temperature, Fan7 Temperature, Fan8 Temperature (display only)
Communication	"Projector ID, Network Status, Control Channel, MAC Address, IPv4 Settings, IPv6 Settings (read-only)"
Signal	Current Input Signal, Resolution, Vert Refresh, Horz Refresh, Pixel Clock, and Color Space (read-only)
Backup Input Status	First Input and Second Input (read-only)
Firmware Version	Main Version, F-MCU Version, A-MCU Version, Scaler Version, LAN Version, Formatter Version, and HDBaseT Version (read-only)

Using the Menus

To view the menus, press the MENU button on the projector or remote control.

1   Press the MENU button on the projector or remote control. The menus will be displayed.
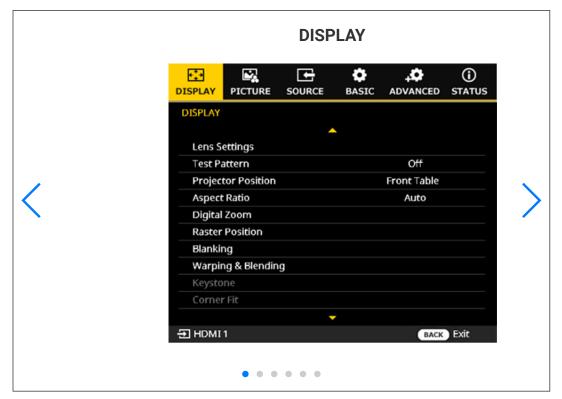
Remote control

Control panel

2   Press the selector left or right to choose a menu.

DISPLAY

3   Press the selector up or down to highlight items.

4   Press the selector left or right to choose the desired option.
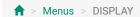
> 📑 **MEMO**
>
> If "**ENTER**" is displayed when a menu item is highlighted, pressing **ENTER** will display a sub-menu where the selection can be made.

5   Press BACK to save changes and exit.
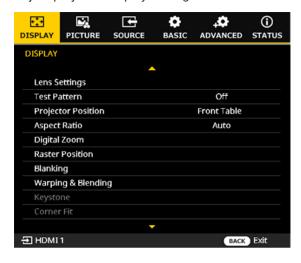
DISPLAY

Adjust projector display settings.

- ▼ Lens Settings
- ▼ TEST PATTERN
- ▼ Projector Position
- ▼ Aspect Ratio
- ▼ Digital Zoom
- ▼ Raster Position
- ▼ Blanking
- ▼ Warping & Blending
- ▼ KEYSTONE
- ▼ Corner Fit
- ▼ Pincushion

Lens Settings

Adjust lens-related settings.
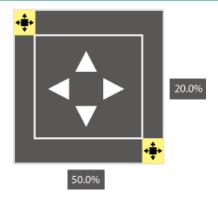
Highlight the desired lens setting and press **ENTER** to display options.

Item	Description
Lens Shift	Adjust the position of the projected image using lens shift.
Lens Shift Settings	Adjust lens shift settings.
Lens Shift Memory	Save lens shift configuration.
Lens Motor Lock	Lock or unlock lens motor.
Focus 1	Adjust focus for the entire image.
Focus 2	Adjust focus at the edges of the image.
Zoom	Adjust the size of the projected image.

⬩ Lens Shift

"Press **ENTER** to display the lens shift dialogand use the selector (up, down, left, and right)to position the image."

The image can be shifted vertically (V) by up to70% and horizontally (H) by up to 35%.

Lens Shift Settings

Adjust lens shift settings.
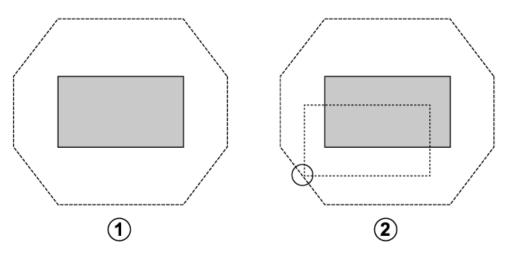
Press ENTER to display options and then select the desired item.

■ Shift area
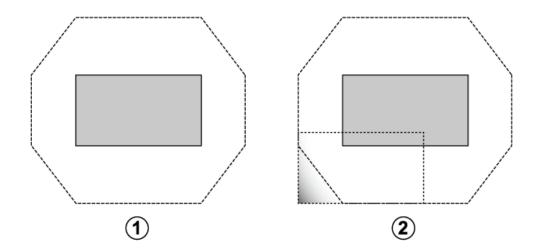
Choose how much the lens can be shifted.

Options	
Limited	Full

- **Limited**: Lens shift is restricted, preventing any portion of the image being eclipsed.

  A Lens centered

  ② Image shifted down and to the left: entire image visible

- **Full**: The lens can be shifted throughout its range.

  A Lens centered

  ② Image shifted down and to the left: bottom left corner of image not visible

■ Home Position

Return the lens to the home position.

Pressing ENTER displays a prompt asking whether you wish to return the lens to the home shift position.

Press OK to start lens shift. Do not perform any other operations until the projector displays a message stating that reset is complete.

■ Calibration

Perform lens calibration. When the procedure is complete, you are prompted to clear all lens memory.

Lens Shift Memory

Save up to five lens settings.

Press ENTER to display options and then select the desired item.

1. Choose **Select Memory** and press ENTER. Choose the memory record from **Memory 1** to **Memory 5** based on your needs.
2. Select any of the following items:

- **Load**: Load lens settings from the selected memory record.
- **Save**: Save lens settings to the selected memory record.
- **Clear**: Reset the settings of the selected memory record to the default values.

3. Select **All Clear** to reset all the memory records to the default values.

> 📑**MEMO**
>
> - The lens can also be returned to the home position by holding the SHIFT button on the remote control for over three seconds.

Lens Motor Lock

Lock or unlock lens motor.
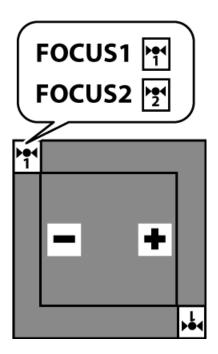
Options	Description
Lock	Lens cannot be adjusted.
Unlock	Lens can be adjusted.

Focus 1 / Focus 2

Adjust focus.

Press ENTER to display the focus dialog and use the selector (left or right) to adjust focus.

- FOCUS1: Adjusts the optical axis center of the image.
- FOCUS 2: Adjusts the periphery of the image.

ZOOM
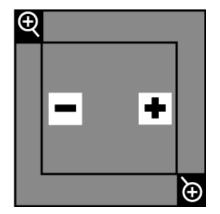
Adjust the size of the projected image.

"Press ENTER to display the zoom dialog and use the selector (up, down, left, and right) toadjust the size of the projected image."
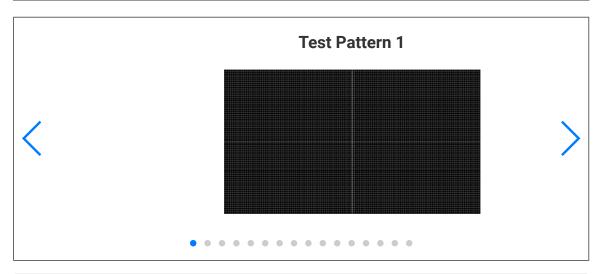
Select "–" to make the image smaller, "+" to make it larger.

TEST PATTERN

Choose a grid or other test pattern for display during installation.

Options																
Off	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Test Pattern 1

● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●

📑**TIP**
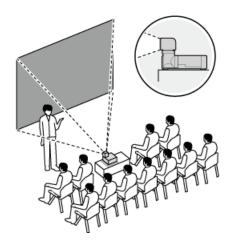
To temporarily hide the menu screen while the test pattern is displayed, press the ON SCREEN button on the remote control. Press the ON SCREEN button again to display the menu.

Projector Position
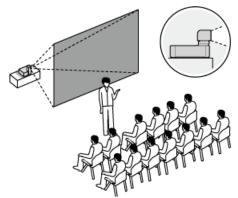
Position the beam according to the projector's location.

Options			
Front Table	Rear Table	Rear Ceiling	Front Ceiling
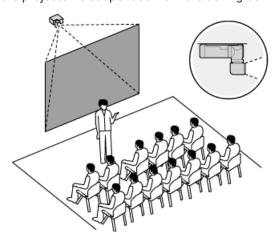
- **Front Table**: Choose if the projector is on a table in front of the screen.
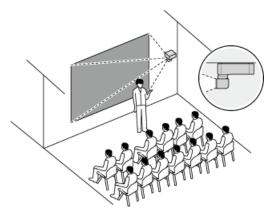
- **Rear Table**: Choose if the projector is on a table behind the screen.

- **Rear Ceiling**: Choose if the projector is suspended from the ceiling behind the screen.

- **Front Ceiling**: Choose if the projector is suspended from the ceiling in front of the screen.

Aspect Ratio

Position the beam according to the projector's location.

Options					
Auto	Real	4:3	16:10	16:9	21:9

> 📝**TIP**
>
> The setting for each input is stored separately.

Digital Zoom

Zoom the projected image in using digital zoom.
Highlight **Digital Zoom** in the **DISPLAY** menu and press ENTER to display options.

Item	Description
Proportional	Resize the projected image proportionally.
Horizontal	Increase the horizontal magnification of the projected image.
Vertical	Increase the vertical magnification of the projected image.
Digital Shift	Shift the image digitally.
Reset	Reset digital zoom settings to the default values.

Proportional

Set On to enable resizing the projected image proportionally or set Off to disable this function.

Options	
On	**Off**

Horizontal

Increase the horizontal magnification of the projected image.

Options
50%～**100%**～400%

Vertical

Increase the vertical magnification of the projected image.

Options
50%～**100%**～400%

Digital Shift

Shift the projected image digitally by increasing the horizontal and vertical magnification.

Options	
Horizontal	0～**50**～100
Vertical	0～**50**～100

Reset

Reset digital zoom settings to the default values.

Options	
Cancel	Reset

Raster Position

Input images that do not fill the display can be positioned as desired within the screen.

Options	
Horizontal	Move the projected image up or down in the range of -1000~1000 pixels.
Vertical	Move the projected image up or down in the range of -600~600 pixels.
Reset	Choose Reset to restore the raster position to the default values. Select Reset again at the prompt and then Yes to confirm.

For example, image with an aspect ratio of 16:9 is displayed on a screen with an aspect ratio of 16:10.
① Display area aspect ratio is 16:10.
② Image aspect ratio is 16:9.
③ To remove the gaps between the display area and the projected image, press the selectors up and down (as illustrated below) to move the image vertically and fill the display area.

> 📑**TIP**
>
> ---
>
> The upper/lower limit depend on signal or aspect ratio.
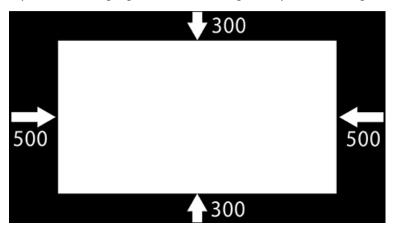
Blanking

The screen margins can be adjusted vertically by 300 pixels and horizontally 500 pixels.

Item			
Upper 300 pixels	Lower 300 pixels	Left 500 pixels	Right 500 pixels

Press the selector up or down to highlight the desired margin and press left or right to adjust.

Warping & Blending

Use the warping and blending feature for geometric correction (warping) and to blend the edges of images from multiple projectors.
Press ENTER to display options and then select the desired item.
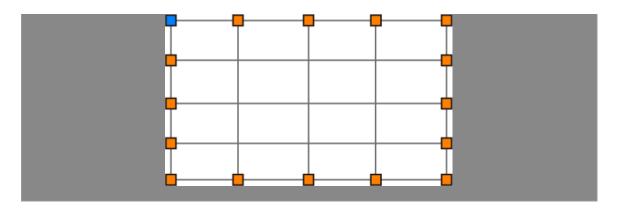
Warping & Blending Setting

Options	Description
Off	Disable warping and blending function.
On	Enable warping and blending function, then configure the following settings: grid points, warp inner, warp sharpness, grid color, grid background, and blend settings.
Application	Configure warping and blending settings using an app.

- **Grid Points**
  Choose the number of grid squares available for selection.

Item				
2x2	3x3	5x5	9x9	17x17

5x5
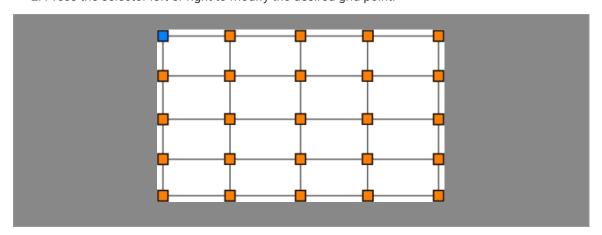
- **Warp Inner**
  Set On to add adjustment points inside the grid squares.

Item	
On	**Off**

1. "Press the selector up, down, left, or right to highlight the desired grid point that you want to modify."
2. Press the selector left or right to modify the desired grid point.

- **Warp Sharpness**
  Adjust sharpness when warping.

Item
0〜**19**

- **Grid Color**
  Choose the grid color.

Item					
White	Red	Green	Blue	Magenta	Cyan

- **Grid Background**
  Choose the grid background color.

Item

Black	Transparent

- **Blend Settings**
  Smooth the edges between the component images from each projector, seamlessly blending them into a single picture.
  Press ENTER to display options and then select the desired item.
  - **Blend Width**: Set the blend area width. "There are four options on blend width: up, down, left, and right." The adjusting unit is 4 pixels per step.
  - **Overlap Grid Number**: Choose the number of grid lines per blend width from 4 / 6 / 8 / 10 / 12.
  - **Gamma**: Choose the gamma value of the overlapped portions from 1.8 / -2.2 / -2.4. Overlapped portions become smooth.
- **Memory**
  Save up to five warping and blending settings.
  Press ENTER to display options and then select the desired item.
  1. Choose **Select Memory** and press ENTER. Choose the memory record from **Memory 1** to **Memory 5** based on your needs.
  2. Select any of the following items:
     - **Load**: Load warping and blending settings from the selected memory record.
     - **Save**: Save warping and blending settings to the selected memory record.
     - **Clear**: Reset the settings of the selected memory record to the default values.
  3. Select **All Clear** to reset all the memory records to the default values.
- **Reset**
  To reset warping and blending settings to the default values, press ENTER and then choose **Reset** when prompted.

KEYSTONE

Use keystone compensation to correct "keystoning" and

make the sides of the projected image parallel the edges of the screen.

Press **ENTER** to display the keystone compensation dialog and use the selector (up, down, left, and right) to correct keystone distortion.

Negative values reduce the size of the projected image while positive values increase it.

Axis	Range
Vertical (V)	-60～**0**～60
Horizontal (H)	-60～**0**～60
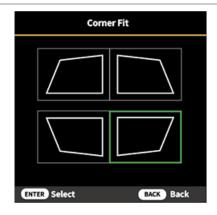
Corner Fit

Use keystone compensation to correct "keystoning" and make the sides of the projected image parallel the edges of the screen.

Position the corners of the projected image to correct distortion.

Item	Range
Top Left	V: **0**～80
	H: **0**～ 120
Top Right	V: **0**～80
	H: **0**～ 120
Bottom Left	V: **0**～80
	H: **0**～ 120
Bottom Right	V: **0**～80
	H: **0**～ 120

1   Press **ENTER** to display corner fit settings.

2   Highlight a corner using the selector (up, down, left, and right) and press **ENTER**.

Position the corner horizontally and vertically.

3
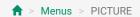
4 Position the corner horizontally and vertically.

Pincushion

Adjust the image with barrel or pincushion distortion.

Item	Description
Horizontal	Correct the projected image with horizontal barrel or pincushion distortion. The range is from 0~100.
Vertical	Correct the projected image with vertical barrel or pincushion distortion. The range is from 0~100.

FUJIFILM

PICTURE

Adjust settings for the projected image.

- ▼ Picture Mode
- ▼ Brightness
- ▼ Contrast
- ▼ TINT
- ▼ Saturation
- ▼ Gamma
- ▼ Sharpness
- ▼ Color Temperature
- ▼ Color Temperature Fine Tuning
- ▼ 7colors Tuning
- ▼ Dynamic Contrast

Picture Mode

Choose a picture mode.

Options	Description
Bright	For use in bright locations.
Standard[PROVIA]	Optimized balance between brightness and color reproduction.
Vivid[Velvia]	Mode for emphasizing color.
Cinema[ETERNA]	For videos projected in a dark room.
Multi Projection[sRGB]	Colors are displayed using the sRGB color space.
High Speed	Display the status of high speed mode.
HDR	For displaying High Dynamic Range (HDR) content.

📑 **MEMO**

High Speed and HDR are automatically detected from the input signal, and the projector switches to this mode.

Brightness

Adjust the brightness of the projected image.

Options
0〜**50**〜100

Contrast

Adjust contrast.

Options
-50〜**0**〜50

TINT

Adjust colors in the projected image. "The higher the value, the greener the image, the lower the value, the redder the image."

Options
-50〜**0**〜50

Saturation

Adjust saturation. The "+" side makes the color darker, while the "−" side makes the color lighter.

Options
-50〜**0**〜50

Gamma

Choose a gamma value for the projected image.

Options
1.6〜**2.2**〜3.3

Sharpness

Adjust the sharpness of outlines.

Options
1〜**8**〜15

Color Temperature

Choose the color temperature of the projected image.

Options							
3200K	4200K	5200K	6200K	6500K	**DEFAULT**	8200K	9300K

Color Temperature Fine Tuning

Fine-tune color temperature.

After pressing **ENTER** to display advanced color temperature options, press the selector up or down to highlight options and left or right to adjust.

Item	Description
R Gain	Adjust the contrast of reds. Choose from values between 0 and 200. "The lower the value, the lower the contrast; the higher the value, the higher the contrast."
G Gain	Adjust the contrast of greens. Choose from values between 0 and 200. "The lower the value, the lower the contrast; the higher the value, the higher the contrast."
B Gain	Adjust the contrast of blues. Choose from values between 0 and 200. "The lower the value, the lower the contrast; the higher the value, the higher the contrast."
R Offset	Adjust the brightness of reds. Choose from values between -50 and 50. Lower values reduce brightness, while higher values increase it.

G Offset	Adjust the brightness of greens. Choose from values between -50 and 50. Lower values reduce brightness, while higher values increase it.
B Offset	Adjust the brightness of blues. Choose from values between -50 and 50. Lower values reduce brightness, while higher values increase it.

7colors Tuning

Adjust hue, gain, and saturation for each of seven color channels (R, G, B, C, M, Y, and W).

After pressing **ENTER** to display options, press the selector left and right to highlight the desired color channel and adjust each parameter as desired, starting with Color.

"Red, Green, Blue, Cyan, Magenta, or Yellow Selected for Color"

Item	Range
Hue	0 ∼ 254
Gain	0 ∼ 254
Saturation	0 ∼ 254

White Selected for Color

Item	Options
R Gain	0 ∼ 254
G Gain	0 ∼ 254
B Gain	0 ∼ 254

White Peaking

Adjust the brightness of whites.

Options
0∼ **100**

Dynamic Contrast

Configure the dynamic contrast to maximize the contrast of dark content.

Press **ENTER** to display options and then select the desired item.

DynamicBlack™

When this function is enabled, the contrast ratio of the input image is automatically adjusted. By optimizing the light source output, the black level in dark scenes is improved.

Options	Range
On	Enable **DynamicBlack™**, then adjust the speed and level.
Off	Disable **DynamicBlack™**.

- Adjust the speed of the light source correction. The value ranges from 1 to 255. Lower value makes the correction slower and less aggressive while a higher value results in the faster correction.
- **Level**
  Adjust the light source when the brightness level of the current content gets lower than the set value. The value ranges from 50% to 100%. "The higher the value, the larger the range to adjust the light source."

Extreme Black

When this function is enabled, the light source output is reduced to the specified level when a black image is detected.

Options	Range
On	Enable **Extreme Black**, then set the light out timer, light out signal level, and lights on threshold.
Off	Disable **Extreme Black**.

- **Light Out Timer**
  Set a timer for the light source to turn off after detecting black content. The option is from **0 sec to 20 sec**.
- **Light Out Signal Level**
  Set the signal level for lights out for the RealBlack function. The value ranges from **1 to 255**.
- **Light On Threshold**
  Set the threshold for turning on the lights on. The value ranges from **0 to 127**.

Reset

Reset **Dynamic Contrast** settings to the default values.

Options	
Cancel	Reset

📑**MEMO**

Dynamic Black and Extreme Black cannot be used simultaneously.

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INPUT

Adjust input source settings.

- ▼ INPUT
- ▼ Output
- ▼ Color Space Conversion
- ▼ HDMI 1 Equalizer
- ▼ HDMI 2 Equalizer
- ▼ Backup Input Settings
- ▼ EDID Settings
- ▼ HDR

INPUT

Choose an input source.

Options		
HDMI1	HDMI2	HDBaseT

Output

Choose an output source.

Options	
HDMI1	HDMI2

Color Space Conversion

Choose the color space in which images are displayed.

Options				
Auto	RGB(0-255)	RGB(16-235)	YUV	REC709

HDMI 1 / HDMI 2 Equalizer

Adjust the HDMI signal for more reliable output over long cables. Choose an option adapted to the operating environment.

Options							
Auto	1	2	3	4	5	6	7

Backup Input Settings

When the input signal becomes unavailable, it can automatically switch to the backup input signal.
(The video signals of both input terminals must be identical.)
Press ENTER to display options and then select the desired item.

Auto Switch

Enable or disable automatic input source detection.

Options	Description
On	Enable automatic input source detection.
Off	Disable automatic input source detection.

Current Signal

View current signal (read-only).

First Input / Second Input

Choose first and second input.

Options		
HDMI1	**HDMI2**	HDBaseT

Input Info.

View input source related information, such as current signal, backup input status, backup input change, and more.

You can check the backup input status to determine whether automatic switching is available.

EDID Settings

Choose the projector's EDID compatibility to display the signal correctly.
Press ENTER to display options and then select the desired item.

HDMI 1 / HDMI 2 / HDBaseT EDID Settings

Options		
2.0	1.4	Custom

> 📑**MEMO**
>
> When set to Custom, the factory default is the same as 2.0. To make changes, you need to upload an EDID information file via the 👉**Web control function**.
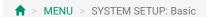
HDR

Configure the HDR settings.
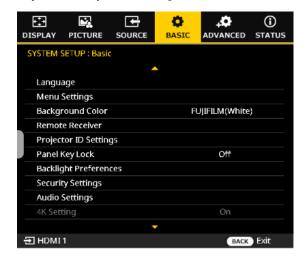
Options	Description
Auto	Automatically detect HDR signal.
Off	Turn off HDR processing. When set to Off, the projector will not decode HDR content.

SYSTEM SETUP: Basic

Adjust basic system settings.

▼ Langouage

▼ Menu Settings

▼ Background Color

▼ Remote receiver

▼ Projector ID Settings

▼ Panel Key Lock

▼ Backlight Preferences

▼ Security Settings

▼ Audio Settings

▼ 4K Setting

▼ High Altitude Mode

▼ Reset Settings

Langouage

Choose the language in which menus and messages are displayed.

Options		
English	日本語	ไทย
Français	한국어	Norsk
Deutsch	Svenska	Bahasa Indonesia
Italiano	Nederlands	Tiếng Việt
Español	Türkçe	Čeština
Русский	Portuguese	Suomi
繁體中文	Polski	Ελληνικά

简体中文	Dansk	Magyar

Menu Settings

Adjust menu display settings.

Press **ENTER** to display options and then select the desired item.

Menu Display Time

Choose how long the menus are displayed on the screen.

Options				
5 sec	10 sec	20 sec	30 sec	**Always**

> 📑**MEMO**
>
> The on-screen display for lens shift, focus 1/2, and zoom operations is always set to 30 seconds.

Menu Position

Choose where the menus are displayed on the screen.

Options				
Center	Top Left	Top Right	Bottom Right	Bottom Left

Reminder Message

Select **On** to display alerts.

Options	
On	Off

> 📑**MEMO**
>
> Selecting **Off** for **Reminder Message** disables the display of alarm alert messages.
>
>
> HDMI 1 — Checking For Signal

Menu Transparency

Adjust the transaprency of the menu.

Options
0〜90

Background Color

Choose the menu background color.

Options					
FUJIFILM (Blue)	FUJIFILM (White)	FUJIFILM (Black)	Black	Blue	Custom

> 📑**MEMO**
>
> When set to Custom, the factory default is black. To use a custom background, you need to upload a background image via the 👉**Web control function**.

Remote receiver

Sets the enable/disable status of the remote control sensor.
Press ENTER to display options and then select the desired item.

Options	Description
Front	**On** / Off
Top	**On** / Off
Rear	**On** / Off
HDBaseT	On / **Off**

Projector ID Settings

Choose an ID for each projector.
Press ENTER to display options and then select the desired item.

Enable

Options	Description

Off	Turn the projector ID off. "The projector can be controlled by from any remote, regardless of its ID."
On	Choose the projector ID. You will need to set the remote control to the same ID. Refer to the 👉**Choosing Ids** section.

Projector ID

Choose the projector ID.

Options
00~99

Press the ENTER button to apply the settings.

Panel Key Lock

Lock the controls on the body of the projector.

Options	
On	**Off**

> 📝**TIPS**
>
> - "To release the control-panel lock, press the selector right for three seconds."

Backlight Preferences

Configure the back light behavior and timeout setting for the panel keys and LED indicator.
Press ENTER to display options and then select the desired item.

Panel Key

Choose how long the backlight remains on when you press the control panel keys.

Options					
On	Off	**5 sec**	10 sec	20 sec	30 sec

> 📝**MEMO**

- Selecting Off for Panel Key disables the backlight function and selecting On lights on the control panel backlight indefinitely until the projector is turned off.

Indicator

Choose when to light on the LED indicator.

Options		
On	Off	Warning Errors Only

Security Settings

Adjust security settings.

Press **ENTER** to display options and then select the desired item.

New Password

1. Press **ENTER** and set a new password.
2. Choose a password of nine characters containing any combination of the numbers 1 through 4.
3. After confirming the password by entering it a second time, press **ENTER** to proceed. You must supply the password when turning the projector on with On selected for Power on Lock.

Change Password

1. Press ENTER and change the password.
2. Enter the current password.
3. Choose a new password of nine characters containing any combination of the numbers 1 through 4.
4. After confirming the password by entering it a second time, press ENTER to proceed.

> 📝**MEMO**
>
> - Failure to provide the correct password for three times will prevent the projector being used or initialized. Be careful not to lose the password. Consult with the store at the point of purchase if the password is lost.

Power On Lock

Selecting **On** requires users to enter the password chosen using **New/Change Password** whenever the projector is turned on.

Options

On	Off

> **📑MEMO**
>
> After choosing **On**, you will be prompted to enter the password. Enter the password to proceed.

Audio Settings

Adjust audio settings.
Press ENTER to display options and then select the desired item.

Mute

Select **On** to mute audio.

Options	
On	Off

Volume

Adjust volume.

Options
0~**50**~100

4K Setting

Choose **On** to enable 4K setting or **Off** to disable.

Options	
On	Off

High Altitude Mode

When using the product at high altitudes (above 1,500 m/4,900 ft), select **On** for **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.

Options	
On	**Off**

Reset Settings

Restore all items in a selected menu to their default values.
Press ENTER and choose the menu to be reset.

Options	Description
Display Settings	Reset the items in the **DISPLAY** menu to default values.
Picture Settings	Reset the items in the **PICTURE** menu to default values.
BASIC Settings	Reset the items in the **SYSTEM SETUP : Basic** menu to default values.
ADVANCED Settings	Reset the items in the **SYSTEM SETUP : Advanced** menu to default values.
Initialize	Reset the items in all menus (**DISPLAY**, **PICTURE**, **SYSTEM SETUP : Basic**, and **SYSTEM SETUP : Advanced**) to their default values. The following items are not reset: • **DISPLAY** > **Lens Settings** • **SYSTEM SETUP : Basic** > **Security Settings** • **SYSTEM SETUP : Advanced** > **Date and Time Settings**
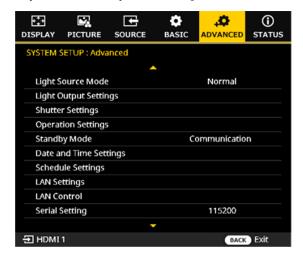
📑**MEMO**

Highlighting a menu and pressing ENTER displays a confirmation dialog; select Reset to restore the items in the selected menu to their default values.

SYSTEM SETUP : ADVANCED

Adjust advanced system settings.

▼ Light Source Mode

▼ Light Output Settings

▼ Shutter Settings

▼ Operation Settings

▼ Standby Mode

▼ Date and Time Settings

▼ Schedule Settings

▼ LAN Settings

▼ LAN Control

▼ Serial Setting

▼ User Settings

▼ Filter Settings

Light Source Mode

Choose a light-source brightness mode.

Options	
Normal	Eco

Light Source Mode

Press ENTER to display options and then select the desired item.

Light Output Settings

Adjust the brightness of the light source. This setting cannot be configured when the light source mode is set to Eco.

Options
10%~**100%**

Brightness Compensation

Choose **On** to optimize the projected image quality in varying ambient light conditions.

Options	
On	**Off**

> 🗒️**MEMO**
>
> **Brightness Compensation** is available only if **Light Output** Setting is between **50% and 80%**.

Shutter Settings

Adjust projector shutter settings.

Press **ENTER** to display options and then select the desired item.

Fade-In

Choose how long the picture takes to fade in after the shutter button is pressed to resume projection.

Options										
Off	0.5 sec	1 sec	1.5 sec	2 sec	2.5 sec	3 sec	3.5 sec	4 sec	4.5 sec	5 sec

Fade-Out

Choose how long the picture takes to fade out when the shutter button is pressed to suspend projection.

Options										
Off	0.5 sec	1 sec	1.5 sec	2 sec	2.5 sec	3 sec	3.5 sec	4 sec	4.5 sec	5 sec

Startup

Choose the shutter status when the projector is turned on.

Options	
On	**Off**

Operation Settings

Set timers and configure power settings.

Press **ENTER** to display options and then select the desired item.

Direct Power On

If **On** is selected, the projector will turn on automatically (i.e., without your pressing the power button) if the main power switch is on when power is supplied.

Options	
On	**Off**

Signal Power On

If **On** is selected, the projector will turn on automatically when it detects a source signal while in Standby mode.

Options	
On	**Off**

Auto Power Off

"When there is no input signal for more than a certain period of time and the projector is not operated, it automatically goes into standby mode."

> 📑**MEMO**
>
> This function is not enabled when a built-in test pattern of this unit is projected.

Choose the length of time before the projector automatically enters standby.

Options
0~180分

Sleep Timer

Choose the length of time before the projector automatically enters standby when the sleep timer is enabled.

Options
0.0~16.0hr

Standby Mode

Choose a standby mode.

Options	
STANDBY	**Communication**

- **Standby**: During standby, only power-on commands from the control panel, remote control, and serial port are available.
- **Communication**: During standby, commands from the control panel, remote control, serial port, and functions enabled via LAN control are available.

Date and Time Settings

Configure date and time settings.

Press **ENTER** to display options and then select the desired item.

Clock Mode

Choose the clock mode.

Options	Description
Manual	Enter **Date** and **Time** settings manually.
NTP	Date and time settings are obtained over Internet. Configure **Daylight Saving Time**, **NTP Server IP Address**, **Time Zone**, and **Update Interval** settings.

> 📑**MEMO**
>
> If **Clock Mode** is **NTP**, ensure that the projector is connected to the Internet.

Date

Enter a value for the date in [MMDDYYYY] format.

Time

Enter a value for the time in [HH:MM] format.

Daylight Saving Time

Enable or disable daylight saving time.

Options	
On	**Off**

Time Zone

Choose an appropriate time zone for the network clock mode.

Options
UTC+14:00~**UTC+00:00**~UTC-12:00

Update Interval

Choose the date and time update interval.

Options	
Hourly	Daily

Apply

Select **Yes** at the prompt to save date and time settings.

Options	
Yes	No

Schedule Settings

Schedule various projector functions at the given date and time.

Press ENTER to display options and then select the desired item.

Schedule Enable

Select **On** to activate the schedule.

Options	
On	**Off**

Item							
Daily	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

> 📑**MEMO**
>
> **Daily** configures the projector to operate on the same schedule every day, regardless of the day of the week

1. Choose a day of the week to display options for the selected day.
2. Set the **Schedule Enable** to **On**.
3. Choose an event record from **Event 01**~**Event 16** and set up schedule details:
   a. a) Set the **Time** for the event.
   b. Choose a **Function**. The options include **Power Settings**, **Input Source**, **Light Source Mode**, and **Shutter**. Set **Off** to disable the event. Then press ENTER.
   c. Choose an event type: **Event [Power Settings]** (**Power On**, **Standby**, **Standby (Communication)**), **Event** [**Input Source**] (**HDMI 1**, **HDMI 2**, HDBaseT), **Event** [**Light Source Mode**] (**Normal**, **Eco**), **Event** [**Shutter**] (**Shutter On**, **Shutter Off**). Then press ENTER.
   d. To reset the event settings to the default values, choose **Reset** and select **Reset** again at the prompt. When prompted to confirm, select **Yes**.
4. To copy all event records of the day to another day of a week, select **Copy Events To** and choose the day of the week. prompted to confirm, select **Yes**.
5. To reset the event records of a day, choose **Reset the Day** and select **Reset** again at the prompt. When prompted to confirm, select **Yes**.

Reset

Reset **Schedule Settings** to the default values.

Options	
Cancel	Reset

LAN Settings

Adjust network settings.

Press ENTER to display options and then select the desired item.

Status

View the projector's connection status (read-only).

MAC Address

View the projector's MAC address (read-only).

Control Channel

Choose the type of input used for projector control.

Options	
LAN	HDBaseT

IPv4 Settings

Configure IPv4 settings.

Item	Description
DHCP	Select **On** when using the Dynamic Host Configuration Protocol (DHCP). The settings below can be adjusted when **Off** is selected
Projector IP Address	Enter an IP address.
Subnet Mask	Enter a sub-net mask.
Default Gateway	Enter the default gateway address.
Primary DNS	Enter a primary DNS server address.
Secondary DNS	Enter a secondary DNS server address.
Apply	Press ENTER to apply changes to settings.

IPv6 Settings

Configure IPv6 settings.

Item	Description
DHCP	Select **On** when using the Dynamic Host Configuration Protocol (DHCP). The settings below can be adjusted when **Off** is selected.
Projector IP Address	Enter an IP address.
Prefix	Enter a prefix.
Default Gateway	Enter the default gateway address.
DNS	Enter a DNS server address.
Apply	Press ENTER to apply changes to settings.

LAN Control

Configure LAN control settings.

Item	Description
Crestron Connected® V2	Select **On** to control the projector with Crestron controller and related software. To disable this feature, select **Off**.
Extron® IP LINK	Select **On** to Control the projector with Extron IP LINK devices. To disable this feature, select **Off**.
PJLink™	Select **On** to control the projector with PJLink commands. To disable this feature, select **Off**.
AMX® Device Discovery	Select **On** to control the projector with AMX devices. o disable this feature, select **Off**.
Telnet	Select **On** to control the projector using RS232 commands through Telnet connection. o disable this feature, select **Off**.
HTTP	Select **On** to control the projector with web browser. To disable this feature, select **Off**.

Serial Setting

Set the baud rate for serial port.

Options				
9600	19200	38400	57600	**115200**

User Settings

Save up to five customized settings.

Press ENTER to display options and then select the desired item.

1. Choose **Select Memory** and press ENTER. Choose the memory record from **Memory 1** to **Memory 5** based on your needs.
2. Select any of the following items:
    - **Load**: Load user settings from the selected memory record.
    - **Save**: Save user settings to the selected memory record.
    - **Clear**: Reset the settings of the selected memory record to the default values.
3. Select **All Clear** to reset all the memory records to the default values.
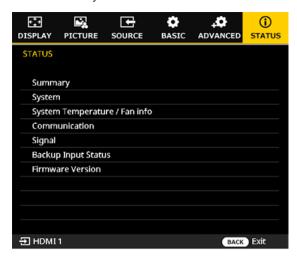
Filter Settings

Options	Description
Filter Settings	Manages the usage time of the filter attached to the projector. Press the ENTER button to display the settings screen and select the required item.
Filter Usage Time	Displays the filter usage time (display only).
Filter Reminder Limit	Selects the usage time at which the filter replacement message will be displayed. Settings: 4000 / 3500 / 3000 / 2500 / 2000 / 1500 / 1000 hours
Reset Filter Usage Time	Resets the filter usage time. Execute this when the filter has been replaced.

FUJIFILM

STATUS

Menus

STATUS

View current system status.

Item	Description
Overview	View current system status, model name, serial number, current input signal, resolution, horizontal and vertical refresh rates, picture mode, projector IP address, total light source usage time, projector ID, firmware version, filter installation status, and filter usage time.
System	View current system status, model name, serial number, standby mode, picture mode, 4K setting, light source mode, lights source usage (total hours/normal/eco), total projector usage time, lens motor lock, filter installation, and filter usage time.
System Temperature / Fan Information	View system temperature, fan rotation speed, and other related information.
Communication	View projector ID, network status, control channel, MAC address, IPv4 settings (projector IP address, subnet mask, default gateway, primary and secondary DNS), IPv6 settings(projector IP address, prefix, default gateway, DNS).
Signal	View current input signal, resolution, vertical and horizontal referesh rates, pixel clock, and color space.
Backup Input Status	View first and second input signal, their vertical and horizontal referesh rates, pixel clocks, and color spaces.

Firmware Version	Main Version, F-MCU, A-MCU, scaler, LAN, formatter, and HDBaseT versions.

FUJIFILM

Main Specifications

Specifications

Model name		FP-ZUH6000-B, FP-ZUH6000-W		
Panel Key	**Size**	0.65-inch, 16:9 aspect ratio		
	Display method	1Chip DLP		
	Resolution	2,073,600 pixels (1920 x 1080)		
Lens	**Type**	Folded two-axial rotatable lens		
	Lens Shift	Electric: Vertical ± 82%, Horizontal ± 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 ±5°/Horizontal ±5°		
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**	**HDMI®1**	Compatible with TypeA HDMI®2.0、HDCP 2.2	
		HDMI®2	Compatible with TypeA HDMI®2.0、HDCP 2.2	
		HDBaseT™	RJ-45 video/audio input, up to 4096 × 2160 60P	

	VIDEO OUT	HDMI®	Compatible with TypeA HDMI®2.0、 HDCP 2.2
	Control IN/OUT	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
	Audio OUT	AUDIO OUT	3.5 mm stereo mini jack
	Remote In	REMOTE	3.5 mm stereo mini jack for remote control (wired) operation
	Other	USB 1	Type A for power supply (DC 5V, max. 1.5A)
		USB 2	Type B for maintenance
Power supply			AC 100-120 V, AC 220-240 V, 50/60 Hz
Power consumption	Maximum		650W
	Light Source Mode: Normal		560W
	Light Source Mode: Eco		285W
	During standby		Approx. 0.5W
	Network standby		Approx. 8.0W
Dimensions (W × D × H)			486 x 496 x 175mm (excluding adjustable feet)
Weight			Approx.17.5 kg (38.6 lb)
Noise *5	Light Source Mode: Normal		Typical 36dB, maximum 38dB
	Light Source Mode: Eco		Typical 34dB, 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 cable (3.0 m/9.8 ft)
			Lens Cap
			Remote control
			Remote control battery (AAA type x2)

*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.

Supported Resolutions

When a signal with a resolution higher than the projector's panel resolution is input, the image quality may deteriorate.

Input Signal Specifications					HDMI1&2, HDBaseT						
Signal Type	Signal Format	Resolution	Aspect ratio	Vertical (Hz)	RGB			YCbCr 4:4:4			YCbCr 4:2:2
					8 bit	10 bit	12 bit	8 bit	10 bit	12 bit	8 bit
PC	VGA	640x480	04:03	60	V	V	V	V	V	V	V
	SVGA	800x600	04:03	60	V	V	V	V	V	V	V
	XGA	1024x768	04:03	60	V	V	V	V	V	V	V
	WXGA	1280x768	15:09	60	V	V	V	V	V	V	V
	WXGA	1280x800	16:10	60	V	V	V	V	V	V	V
	SXGA-	1280x960	04:03	60	V	V	V	V	V	V	V
	SXGA	1280x1024	05:04	60	V	V	V	V	V	V	V
	WXGA	1360x768	16:09	60	V	V	V	V	V	V	V
	FWXGA	1366x768	16:09	60	V	V	V	V	V	V	V
	WXGA+	1440x900	16:10	60	V	V	V	V	V	V	V
	HD+	1600x900	16:09	60	V	V	V	V	V	V	V
	UXGA	1600x1200	04:03	60	V	V	V	V	V	V	V
	WSXGA+	1680x1050	16:10	60	V	V	V	V	V	V	V
	WUXGA	1920X1200	16:10	60	V	V	V	V	V	V	V
	UWFHD	2560x1080	21:09	24	V	V	V	V	V	V	V
				25	V	V	V	V	V	V	V
				30	V	V	V	V	V	V	V
				50	V	V	V	V	V	V	V
				60	V	V	V	V	V	V	V

Video	EDTV (480p)	720X480	03~02	59.94	V	V	V	V	V	V	V
				60	V	V	V	V	V	V	V
	EDTV (576p)	720X576	05:04	50	V	V	V	V	V	V	V
	HDTV (720p)	1280x720	16:09	50	V	V	V	V	V	V	V
				59.94	V	V	V	V	V	V	V
				60	V	V	V	V	V	V	V
				120	V	V	V	V	V	V	V
	HDTV (1080p)	1920x1080	16:09	23.98	V	V	V	V	V	V	V
				24	V	V	V	V	V	V	V
				25	V	V	V	V	V	V	V
				29.97	V	V	V	V	V	V	V
				30	V	V	V	V	V	V	V
				50	V	V	V	V	V	V	V
				59.94	V	V	V	V	V	V	V
				60	V	V	V	V	V	V	V
4K	4K UHD (2160p)	3840x2160	16:09	24	V	V	V	V	V	V	V
				25	V	V	V	V	V	V	V
				30	V	V	V	V	V	V	V
				50	V	-	-	V	-	-	V
				60	V	-	-	V	-	-	V
	4K x 2K	4096x2160	19:10	24	V	V	V	V	V	V	V
				25	V	V	V	V	V	V	V
				30	V	V	V	V	V	V	V
				50	V	-	-	V	-	-	V
				60	V	-	-	V	-	-	V
High Frame Rate	1080p	1920x1080	16:09	120	V	V	V	V	V	V	V
				240	V	-	-	-	-	-	-

Projection Distance
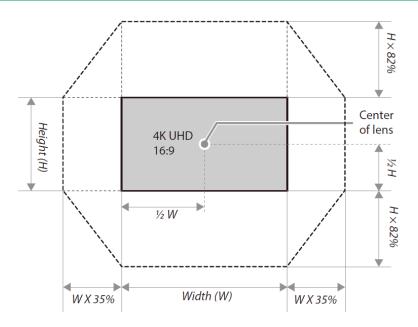
▼ Lens Shift Range and Projection Distance

▼ Projection Distance
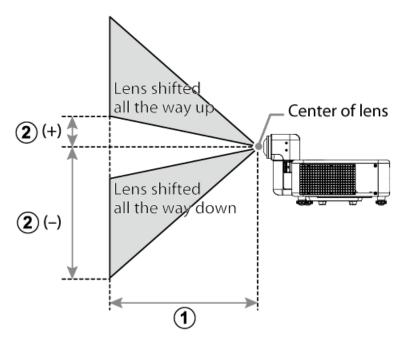
Lens Shift Range and Projection Distance

Lens Shift Range

Projection Distance

Landscape Orientation

More details on projection distance are available via a simulator on the Fujifilm website:

https://optics.fujifilm.com/projector/simulator/zuh6000/

① Projection Distance – Minimum (Wide) to Maximum (Tele) (cm/in)

② Vertical distance from center of lens to bottom of screen (cm/in)

Projection Distance Tables

Screen dimensions (16:9)		① Projection distance (cm/in.) min.–max. zoom	② Vertical shift (cm/in.) lowest to highest
Diagonal (in.)	W × H (cm/in.)		
70	151 × 87 / 61.0 × 34.3	52 – 57 / 20.5 – 22.4	-115 to +28 / −45.3 to +11.0
80	177 × 100 / 69.7 × 39.4	59 – 65 / 23.2 – 25.6	-131 to +32 / −51.6 to +12.6
90	199 × 112 / 78.3 × 44.1	67 – 74 / 26.4 – 29.1	-148 to +36 / −58.3 to +14.2
100	221 × 125 / 87.0 × 49.2	75 – 82 / 29.5 – 32.3	-164 to +40 / −64.6 to +15.7
120	266 × 149 / 104.7 × 58.7	90 – 99 / 35.4 – 39.0	-197 to +48 / −77.6 to +18.9
150	332 × 187 / 130.7 × 73.6	113 – 124 / 44.5 – 48.8	-247 to +60 / −97.2 to +23.6
180	398 × 224 / 130.7 × 73.6	135 – 149 / 44.5 – 48.8	-296 to +72 / −97.2 to +23.6
200	443 × 249 / 174.4 × 98.0	151 – 166 / 59.4 – 65.4	-329 to +80 / −129.5 to +31.5

| 250 | 553 × 311 / 217.7 × 122.4 | 189 — 208 / 74.4 — 81.9 | -411 to +100 / −161.8 to +39.4 |
| 300 | 664 × 374 / 261.4 × 147.2 | 227 — 250 / 89.4 — 98.4 | -493 to +120 / −194.1 to +47.2 |

Screen dimensions (16:10)		① Projection distance (cm/in.) min.−max. zoom	② Vertical shift (cm/in.) lowest to highest
Diagonal (in.)	W × H (cm/in.)		
70	151 × 94 / 59.4 × 37.0	56 — 62 / 22.0 — 24.4	-124 to +30 / −48.8 to +11.8
80	172 × 108 / 67.7 × 42.5	64 — 71 / 25.2 — 28.0	-142 to +34 / −55.9 to +13.4
90	194 × 121 / 76.4 × 47.6	72 — 80 / 28.3 — 31.5	-160 to +39 / −63.0 to +15.4
100	215 × 135 / 84.6 × 53.1	81 — 89 / 31.9 — 35.0	-178 to +43 / −70.1 to +16.9
120	258 × 162 / 101.6 × 63.8	97 — 107 / 38.2 — 42.1	-213 to +52 / −83.9 to +20.5
150	323 × 202 / 127.2 × 79.5	122 — 134 / 48.0 — 52.8	-267 to +65 / −105.1 to +25.6
180	388 × 242 / 152.6 × 95.4	147 — 161 / 57.7 — 63.5	-320 to +78 / −125.9 to +30.5
200	431 × 269 / 169.7 × 105.9	163 — 179 / 64.2 — 70.5	-355 to +86 / −139.8 to +33.9
250	538 × 337 / 211.8 × 132.7	204 — 225 / 80.3 — 88.6	-444 to +108 / −174.8 to +42.5
300	646 × 404 / 254.3 × 159.1	245 — 270 / 96.5 — 106.3	-533 to +129 / −209.8 to +50.8

Screen dimensions (4:3)		① Projection distance (cm/in.) min.−max. zoom	② Vertical shift (cm/in.) lowest to highest
Diagonal (in.)	W × H (cm/in.)		
60	122 × 91 / 48.0 × 35.8	54 — 60 / 21.3 — 23.6	-121 to +29 / −47.6 to +11.4
70	142 × 107 / 55.9 × 42.1	64 — 70 / 25.2 — 27.6	-141 to +34 / −55.5 to +13.4
80	163 × 122 / 64.2 × 48.0	73 — 80 / 28.7 — 31.5	-161 to +39 / −63.4 to +15.4

90	183 × 137 / 72.0 × 53.9	82 — 91 / 32.3 — 35.8	-181 to +44 / −71.3 to +17.3
100	203 × 152 / 79.9 × 59.8	92 — 101 / 36.2 — 39.8	-201 to +49 / −79.1 to +19.3
120	244 × 183 / 96.1 × 72.0	110 — 121 / 43.3 — 47.6	-241 to +59 / −94.9 to +23.2
150	305 × 229 / 120.1 × 90.2	138 — 152 / 54.3 — 59.8	-302 to +73 / −118.9 to +28.7
180	366 × 274 / 144.0 × 108.0	166 — 183 / 65.4 — 72.0	-362 to +88 / −142.6 to +34.6
200	406 × 305 / 159.8 × 120.1	185 — 203 / 72.8 — 79.9	-402 to +98 / −158.3 to +38.6
240	488 × 366 / 192.1 × 144.1	222 — 244 / 87.4 — 96.1	-483 to +117 / −190.2 to +46.1

📑 **TIP**

Figures are approximate, differing from the actual values by a few percent.
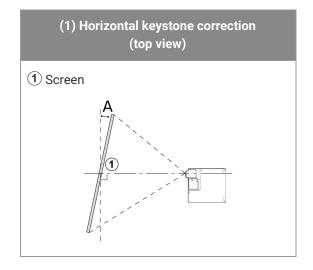
Geometric Correction Range
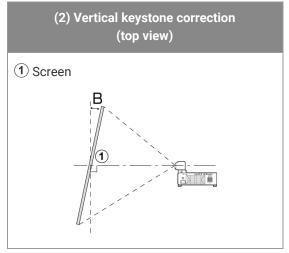
> 📝**TIP**
>
> Figures are approximations and may vary from the actual values by a few percent.

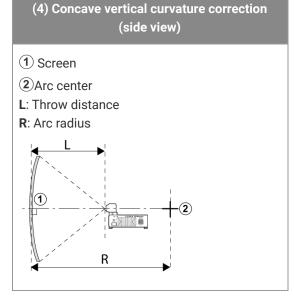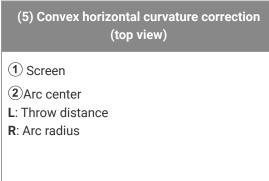|	Keystone correction [1]	
	(1) Horizontal	**(2) Vertical**
Lens shift position	**Correction angle "A"**	**Correction angle "B"**
±0% vertical (V), ±0% horizontal (H)	±5°	±5°
+50% vertical (V), ±0% horizontal (H)	—	—
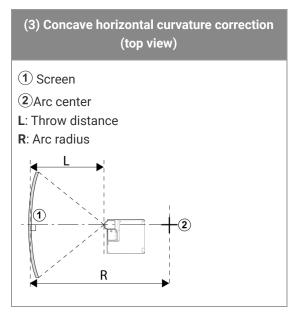
[1] Amount applied using Keystone in the projector menus.

(1) Horizontal keystone correction (top view)	(2) Vertical keystone correction (top view)
① Screen	① Screen

	Screen curvature correction [*2] (minimum R/L value)			
Lens shift position	**(3)** **Horizontal**	**(4)** **Vertical**	**(5)** **Horizontal**	**(6)** **Vertical**
±0% vertical (V), ±0% horizontal (H)	1.10	0.73	4.83	1.86
±50% vertical (V), ±0% horizontal (H)	2.69	1.38	4.83	3.11

*2 Amount applied using the "Warping and Blending Tool" computer software's warping feature (FP-ZUH6000). Adjustments to focus may fail to produce the desired results at higher values.

(3) Concave horizontal curvature correction (top view)

① Screen

② Arc center

L: Throw distance

R: Arc radius

(4) Concave vertical curvature correction (side view)

① Screen

② Arc center

L: Throw distance

R: Arc radius

(5) Convex horizontal curvature correction (top view)

① Screen

② Arc center

L: Throw distance

R: Arc radius
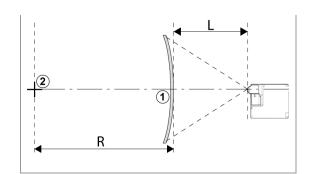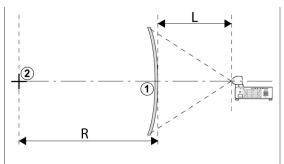
(6) Convex vertical curvature correction (side view)

① Screen

② Arc center

L: Throw distance

R: Arc radius

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PJLink Commands

This projector complies with the PJLink Class 2 standard established by JBMIA.
By using the PJLink protocol, you can configure the projector and check its status from a PC.

- Network settings must be configured in advance to use PJLink.
- For specifications related to PJLink, please refer to the following information.
  https://pjlink.jbmia.or.Jp/

Projector Control

It's possible to control the projector by sending commands through the control channel or LAN.

Control channel

Item	RS-232C	HDBaseT		LAN
		RS-232C	LAN	
Connection cable	Dsub9	RJ45 (Category 5e or above)		RJ45
Communication mode	RS-232C Asynchronous , Half-duplex communication		TCP: Port 3023	
Baud Rate	9600 - 115200	115200	-	
Data Length	8 bit		-	
Parity Check	None		-	
Stop Bit	1 bit		-	
Flow Control	None		-	

Control command

Write Command

■ Type-1

[	X	X	X	X	n	]
Prefix	Command				0~999	Suffix

■ Type-2

[	X	X	X	X	n	+	X	X	X	X	n	]

Prefix	Command	0~999	+	Sub Command	0~999	Suffix

Read Command
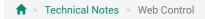
[	X	X	X	X	?	]
Prefix	Command				Inquiry code	Suffix

Response Format

[	X	X	X	X	!	n	]
Prefix	Command				Separator	0-999	Suffix

List of Commands
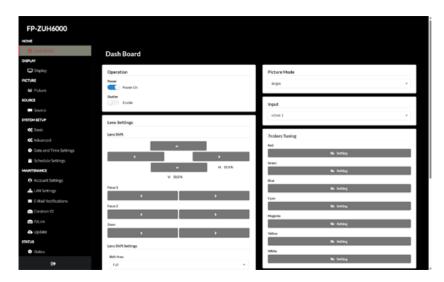
👉FP-ZUH6000 Control Command List

Web Control

You can monitor and control this unit over a network using a web browser.

▼ About Web Control Function

▼ How to Use Web Control Function

▼ Web Control Exclusive Functions

About Web Control Function

Using the web control function, the following operations can be performed from a PC.

- Projector settings and adjustments
- Saving and restoring projector configuration values
- Monitoring the projector status
- Sending email notifications in the event of a projector error
  *Note: To use the email notification function, the projector must be connected to a network that can communicate with an email server.

How to Use Web Control Function

Preparing to Use Web Control Function

To use web control function, the following settings are required. Additionally, both the PC and the projector must be connected to a network that allows communication between them.

- Configure the 👉LAN settings so that the projector and PC can communicate with each other.
- If you want to use the web control function while the projector is in standby mode, set the 👉Standby Mode to **Communication**.
- Enable **HTTP** in the projector's 👉LAN Control settings.

Accessing Web Control Function

1   Enter the projector's assigned IP address into the address bar of your web browser.

2   On the login screen, enter the username and password.

By default, the following two types of usernames are preconfigured.
There is no password set in the initial state.

admin	All web control functions are available.
user	Basic operations of the web control function are available.

3   When logging in for the first time, a password setup screen will appear.

Enter the desired password twice and click the SAVE button.
The login screen will appear again—enter the username and the password you just set.
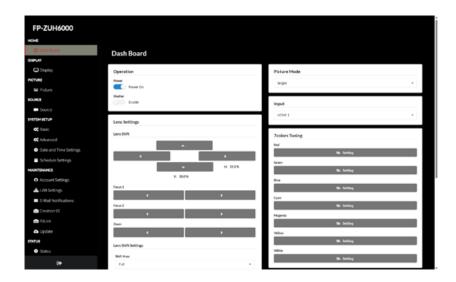
4 After a successful login, the web control screen will be displayed.

Web Control Exclusive Functions

Uploading a Custom EDID

From the SOURCE section of the navigation menu, select Source.

Under EDID Settings, select Upload to upload a custom EDID file.

📑 **TIPS**

The file to be uploaded is EDID Block0/Block1 (256 byte) data.

Uploading a Custom Background Color

From the SYSTEM SETUP section of the navigation menu, select Basic.

Under Background Color, select Upload to upload a file.

The uploadable file must be a PNG image with dimensions of 3840×2160.

Backing Up and Restoring Settings

From the SYSTEM SETUP section of the navigation menu, select Advance.

To back up settings, select Backup under User Settings and download the configuration file.

To restore settings, select Restore under User Settings and upload the configuration file downloaded during backup.
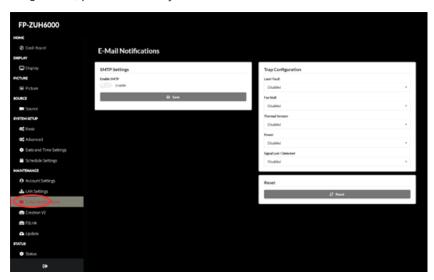
Email Notification Function

From the navigation menu under MAINTENANCE, select E-Mail Notifications.

Enter the required settings for notifications as shown on the screen.

An email server is required on a network that the projector can communicate with.
For detailed configuration, please contact your email server administrator.
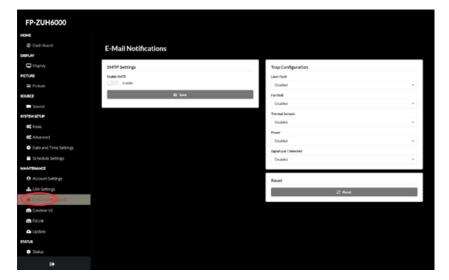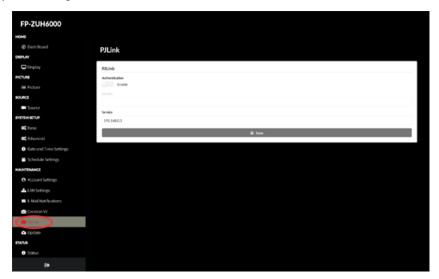

Crestron Connected® Settings

From the navigation menu under MAINTENANCE, select Crestron® V2.
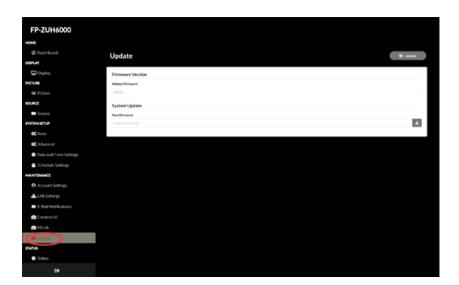
Enter the required configuration values.

PJLink™ Settings

From the navigation menu under MAINTENANCE, select PJLink™.

Enter the required configuration values.

Firmware Update

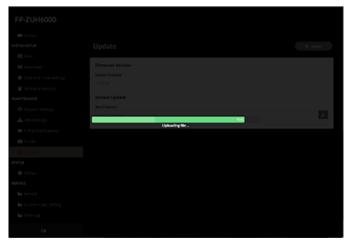**1** From the navigation menu under MAINTENANCE, select Update.

2 Specify the downloaded firmware file, then click the Update button in the upper right corner.

3   A confirmation screen for the firmware update will appear—click Yes to proceed.

4   If the update is successful, the projector will automatically restart.

⚠️ **CAUTIONS**

Firmware updates may take up to 20 minutes. Do not operate any menus during the update process.
Also, do not disconnect the projector's power under any circumstances.

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