SONY
Help Guide

Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

This manual is for those who encounter issues or have questions when using the Video Projector.

In this manual, VPL-XW8100 is used for illustration purposes unless when otherwise indicated.
The pictures above are of the VPL-XW8100/VPL-XW6100 on the left and the VPL-XW5100 on the right.

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About the Help Guide

NOTICES AND LICENSES FOR SOFTWARE USED IN THIS PRODUCT

Trademark Information

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Checking the Supplied Accessories

Check that the following components are included. The () indicates the quantity of the component.

- Remote control
  VPL-XW8100/VPL-XW6100: RM-PJ24 (1)
  VPL-XW5100: RM-PJ28 (1)
- Size AA batteries (2)
- Lens cap (1)
  When you purchase the projector, a lens cap is on the lens.
- AC power cord (1)
- Setup Guide (1)

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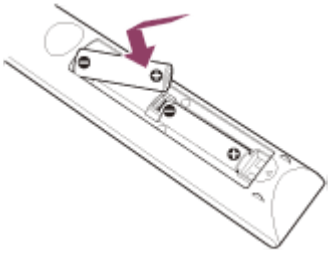
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Inserting the Batteries into the Remote Control

Insert two size-AA batteries into the remote control as follows.
If you cannot operate the unit with the remote control, replace both batteries with new ones.

1. **Open the lid by lifting it up while lightly pushing its claw at the bottom on the back of the remote control.**

2. **Insert the batteries from the negative side.**



Caution when handling the remote control

- Handle the remote control with care. Do not drop it, and do not step on or spill liquids on it.
- Do not place the remote control in a location near a heat source, a place subject to direct sunlight, or a damp room.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

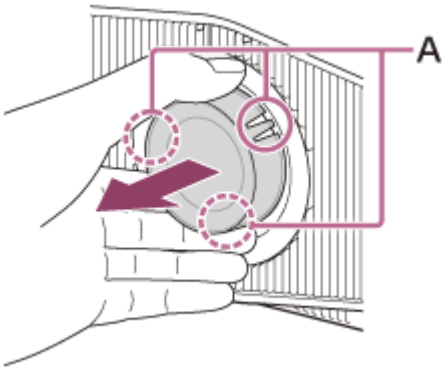
Removing the Lens Cap

Remove the lens cap before you use the projector.

Notes on the lens cap (VPL-XW8100/VPL-XW6100)

When removing the lens cap

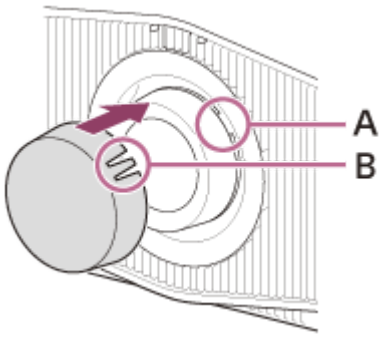
When removing the lens cap, hold the parts other than the catches and pull it toward you. If you pull while holding the catches, the lens may be damaged.



A: Catches

When attaching the lens cap

When attaching the lens cap, be sure to hook the catches of the lens cap on the notches of the lens to prevent it from falling out.



A: Notch
B: Catch

Note

- The positions of the notches on the lens may differ from the ones shown in the figure.

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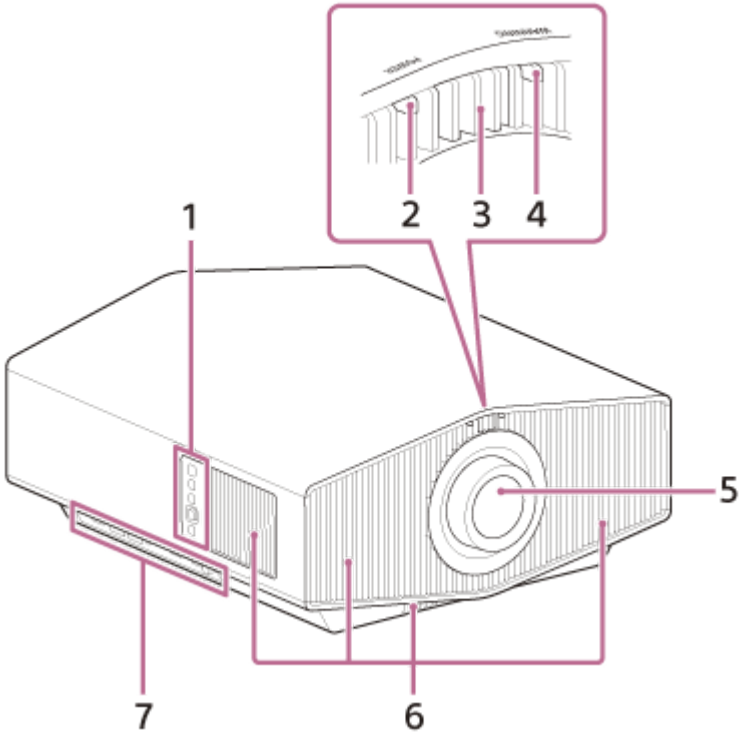
Parts and Controls (Main Unit) (VPL-XW8100/VPL-XW6100)

Front/Right Side/Top



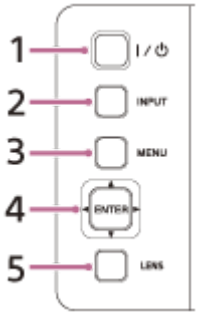
1. **Control panel**
2. **POWER indicator**
3. **Remote control detector**
4. **WARNING indicator**
5. **Projection lens**
6. **Ventilation holes (intake)**
7. **Terminals**

Note

- If you look through the projection lens while the unit is projecting, the light may damage your eyes. Take special caution when using the unit around children.

Control panel and terminals

Control panel

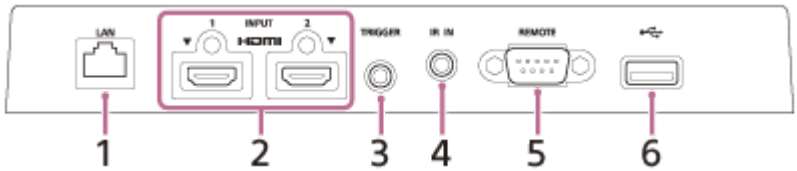


1. ❙ / ⏻ (Power) button
2. INPUT button
3. MENU button
4. ↑ / ↓ / ← / → (Up/Down/Left/Right)/ENTER (Enter) button
5. LENS button

Hint

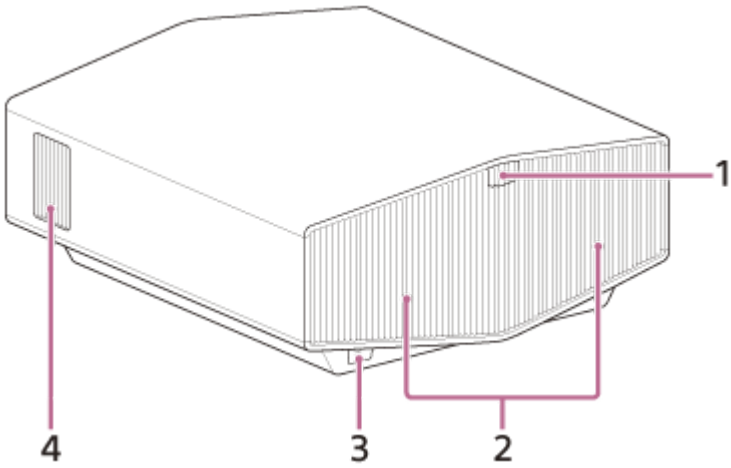
- The buttons on the control panel of the main unit function in the same way as those on the remote control.

Terminals



1. **LAN terminal**
2. **HDMI 1/HDMI 2 terminal**
3. **TRIGGER terminal**
4. **IR IN terminal**
   The projector can be controlled externally using an IR (CONTROL S) signal. When connecting to the terminal, the remote control detector does not work with the remote control.
5. **REMOTE terminal**
   Connects to a control system such as a computer for remote control.
6. **USB terminal**
   Terminal for software update.

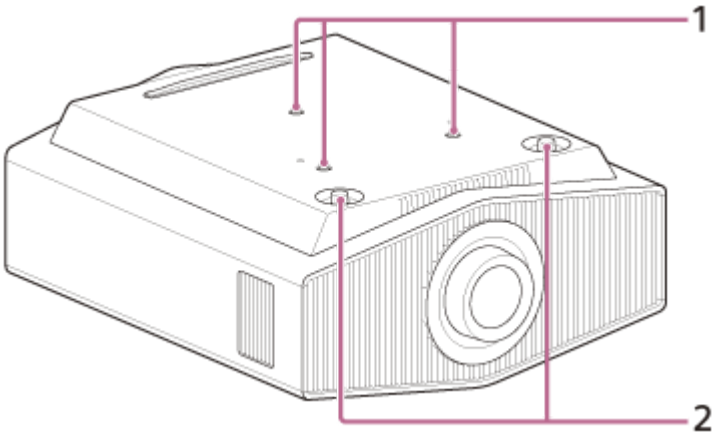
Rear/Left Side



1. **Remote control detector**
2. **Ventilation holes (exhaust)**
3. **AC IN socket**

4. **Ventilation holes (intake)**

Bottom



1. **Projector suspension support attaching hole**
2. **Front feet (adjustable)**

Related Topic

- Parts and Controls (Remote Control) (RM-PJ24) (VPL-XW8100/VPL-XW6100)
- Reading the Indicator

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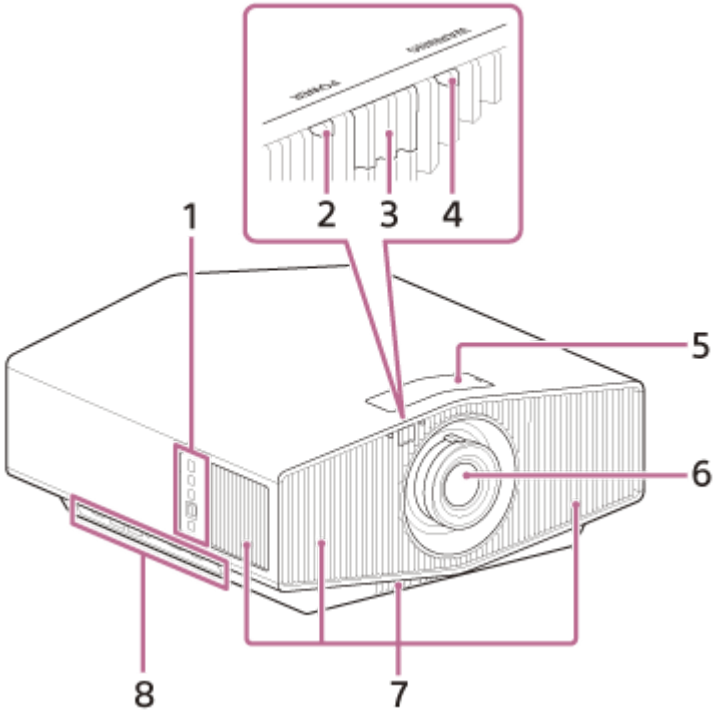
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Parts and Controls (Main Unit) (VPL-XW5100)

Front/Right Side/Top



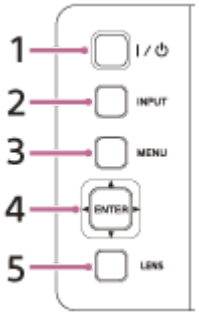
1. **Control panel**
2. **POWER indicator**
3. **Remote control detector**
4. **WARNING indicator**
5. **Lens shift dials**
6. **Projection lens**
7. **Ventilation holes (intake)**
8. **Terminals**

Note

- If you look through the projection lens while the unit is projecting, the light may damage your eyes. Take special caution when using the unit around children.

Control panel and terminals

Control panel

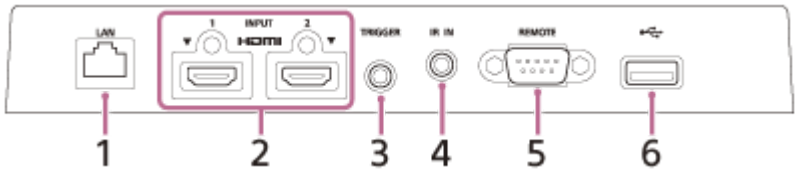


1. ❙ / ⏻ (Power) button
2. INPUT button
3. MENU button
4. ↑ / ↓ / ← / → (Up/Down/Left/Right)/ENTER (Enter) button
5. LENS button

Hint

- The buttons on the control panel of the main unit function in the same way as those on the remote control.

Terminals



1. **LAN terminal**
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4. **IR IN terminal**
   The projector can be controlled externally using an IR (CONTROL S) signal. When connecting to the terminal, the remote control detector does not work with the remote control.
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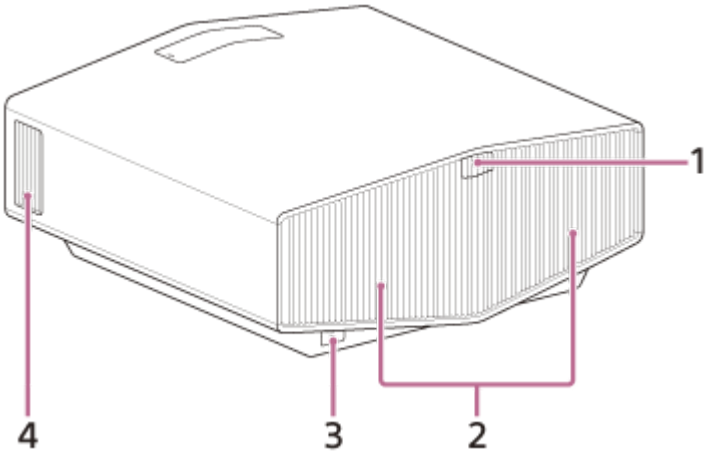
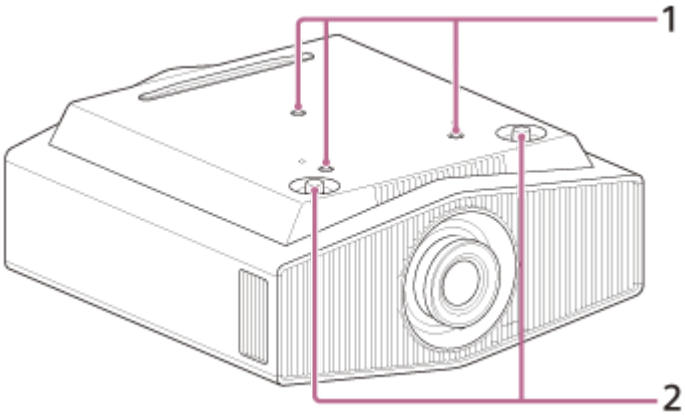
   Terminal for software update.

Rear/Left Side



1. **Remote control detector**
2. **Ventilation holes (exhaust)**
3. **AC IN socket**
4. **Ventilation holes (intake)**

Bottom



1. **Projector suspension support attaching hole**
2. **Front feet (adjustable)**

Related Topic

- Parts and Controls (Remote Control) (RM-PJ28) (VPL-XW5100)
- Reading the Indicator

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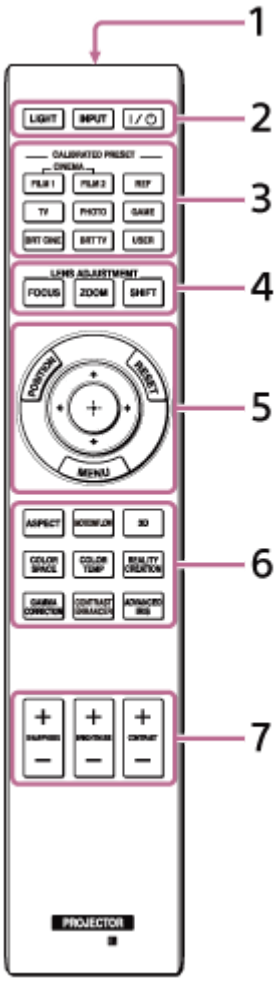
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Parts and Controls (Remote Control) (RM-PJ24) (VPL-XW8100/VPL-XW6100)



1. **Infrared transmitter**
2. **LIGHT button**
   Press to illuminate the buttons on the remote control.
   INPUT (Input selection) button
   Every time you press the button, the input terminal changes.
   I / ⏻ (Power) button
3. **CALIBRATED PRESET buttons**
   You can select the image quality that best suits the type of the image source or room conditions.
4. **LENS ADJUSTMENT buttons**
   Adjusts the lens focus, lens zoom, or lens shift.
5. **POSITION button**
   Stores and recalls lens settings.
   RESET button
   MENU button
   ↑ / ↓ / ← / → (Up/Down/Left/Right)/ ⊕ (Enter) button
   Used for menu operations, etc.
6. **ASPECT button**
   Switches the aspect ratio of the projected image.
   MOTIONFLOW button
   Smoothly reproduces fast-moving images.
   3D button

Not available for this unit.

COLOR SPACE button

Converts the color space.

COLOR TEMP button

Adjusts the color temperature.

REALITY CREATION button

Adjusts the definition of images and reduces the noise of images.

GAMMA CORRECTION button

Configures the response characteristics of gradation of the corrected image.

CONTRAST ENHANCER button

Automatically corrects images to optimize the contrast according to a scene.

ADVANCED IRIS button

Not available for this unit.

7. **SHARPNESS+/- button**

   Sharpens the outline of the image and reduces the image noise.

   BRIGHTNESS+/- button

   Adjusts the brightness of images.

   CONTRAST+/- button

   Adjusts the contrast of images.

Related Topic

- Projecting Images
- Adjusting the Position of the Projected Image (VPL-XW8100/VPL-XW6100)
- Using the Picture Position (VPL-XW8100/VPL-XW6100)
- Navigating Menus

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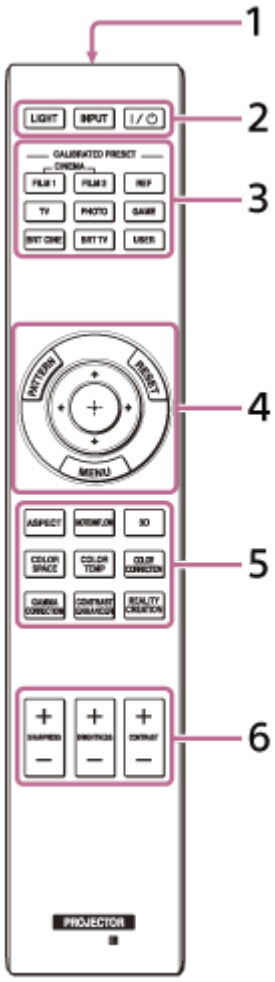
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Parts and Controls (Remote Control) (RM-PJ28) (VPL-XW5100)



1. **Infrared transmitter**
2. **LIGHT button**
   Press to illuminate the buttons on the remote control.
   INPUT (Input selection) button
   Every time you press the button, the input terminal changes.
   I / ⏻ (Power) button
3. **CALIBRATED PRESET buttons**
   You can select the image quality that best suits the type of the image source or room conditions.
4. **PATTERN button**
   Display the test pattern.
   RESET button
   MENU button
   ↑ / ↓ / ← / → (Up/Down/Left/Right)/ ⊕ (Enter) button
   Used for menu operations, etc.
5. **ASPECT button**
   Switches the aspect ratio of the projected image.
   MOTIONFLOW button
   Smoothly reproduces fast-moving images.
   3D button
   Not available for this unit.
   COLOR SPACE button

Converts the color space.
COLOR TEMP button
Adjusts the color temperature.
COLOR CORRECTION button
Adjusts Hue, Saturation or Brightness of the selected colors.
GAMMA CORRECTION button
Configures the response characteristics of gradation of the corrected image.
CONTRAST ENHANCER button
Automatically corrects images to optimize the contrast according to a scene.
REALITY CREATION button
Adjusts the definition of images and reduces the noise of images.

6. **SHARPNESS+/- button**
   Sharpens the outline of the image and reduces the image noise.
   BRIGHTNESS+/- button
   Adjusts the brightness of images.
   CONTRAST+/- button
   Adjusts the contrast of images.

Related Topic

- Projecting Images
- Adjusting the Position of the Projected Image (VPL-XW5100)
- Navigating Menus

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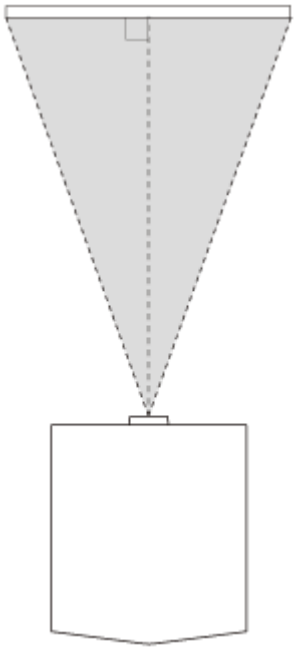
Installing the Projector

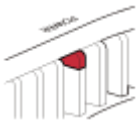
The installation distance between the projector and a screen varies depending on the screen size (projection size) and whether or not you use the lens shift feature. Install the projector according to the screen size.

1. **Position the unit so that the lens is parallel to the screen.**



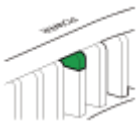
2. **After connecting the AC power cord to the unit, plug the AC power cord into a wall outlet.**

   The POWER indicator lights in red.



3. **Turn on the unit.**

   Press the ❙ / ⏻ (Power) button.
   The POWER indicator flashes in green, then it lights in green.



4. **Project an image on the screen to adjust the image position so that it fits the screen.**

Hint

- When the projection is diagonal relative to the screen, the screen distortion can be corrected by [Corner Keystone] in the 🔧 [Installation] menu.

Note

- If using a screen with an uneven surface, stripe patterns may rarely appear on the screen depending on the distance between the projector and screen and/or the zoom magnification. This does not indicate a malfunction.
- There is a limit to how much distortion can be corrected with the [Corner Keystone] function.

Related Topic

- Projection Distance and Lens Shift Range
- Adjusting the Position of the Projected Image (VPL-XW8100/VPL-XW6100)
- Adjusting the Position of the Projected Image (VPL-XW5100)

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Selecting the Menu Language

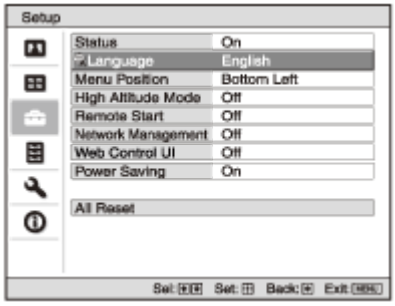
English is set as the default language for the menus and messages. To change the display language, proceed as follows.

1. **Press the MENU button to display the menu window.**

   If the display cannot be properly seen, adjust the focus, size, and position of the projected image.

2. **Change the display language.**

   1. Press the ↑ (Up) or ↓ (Down) button to select [Setup] (Setup), then press the → (Right) or (Enter) button.
   2. Press the ↑ (Up) or ↓ (Down) button to select [Language] (Language), then press the → (Right) or (Enter) button.



   3. Press the ↑ / ↓ / ← / → (Up/Down/Left/Right) button to select a language, then press the (Enter) button.

3. **Press the MENU button to turn off the menu window.**

Related Topic

- Menu Operation: Language

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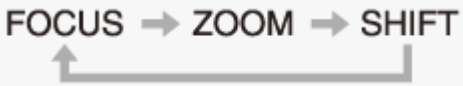
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Adjusting the Position of the Projected Image (VPL-XW8100/VPL-XW6100)

Hint

- The ❙ / ⏻ (Power), INPUT, MENU, and ↑ / ↓ / ← / → (Up/Down/Left/Right)/ ⊕ (Enter) buttons on the control panel of the main unit function in the same way as those on the remote control. The LENS button functions in the same way as the FOCUS, ZOOM, and SHIFT buttons on the remote control.
- When adjusting the lens on the control panel, each time you press the LENS button on the main unit, the lens adjustment function switches in the order of FOCUS, ZOOM, and SHIFT.



- When [Lens Control] is set to [Off] in the 🔧 [Installation] menu, you cannot make adjustments with the FOCUS, ZOOM, or SHIFT button.
- When [Test Pattern] is set to [Off] in the ▦ [Function] menu, the test pattern is not displayed.
- Focus adjustment
  The projection lens of the high brightness projector is thermally affected by the light from the light source. Therefore, the focus is not stable immediately after turning on the power. To adjust the focus more precisely, it is recommended to adjust the focus after 30 minutes or more have elapsed since the projector has been turned on, and after the lens focus adjustment window (test pattern) has been displayed for 2 minutes or more.

Note

- Depending on the installation location of the projector, you may not be able to control it with the remote control. In that case, use the remote control by pointing it towards the remote control detector on the projector or towards the screen.
- Adjust the lens with the control panel on the main unit or with the remote control. Do not adjust the lens by turning the lens directly with your hands. Doing so may cause damage or malfunction.
- Do not touch the lens when you adjust the image position. Your fingers may be pinched when the lens extends/retracts.
- Note that if the unit is tilted up or down, the projected image will be distorted in a trapezoidal shape.
- Be careful not to pinch your fingers when rotating the front feet (adjustable).

1. **Press the FOCUS button to display the lens focus adjustment window (test pattern). Then, adjust the focus of the image with the ↑ / ↓ / ← / → (Up/Down/Left/Right) button.**

   To turn off the test pattern, press the ⊕ (Enter) button.

2. **Press the ZOOM button to display the lens zoom adjustment window (test pattern). Then, adjust the size of the image with the ↑ / ↓ / ← / → (Up/Down/Left/Right) button.**

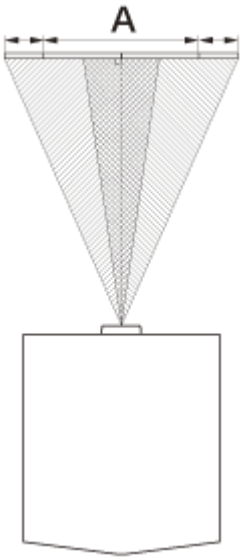
   To enlarge the image, press the ↑ / → (Up/Right) button.
   To reduce the image, press the ↓ / ← (Down/Left) button.

3. **Press the SHIFT button to display the lens shift adjustment window (test pattern). Then, adjust the position of the image with the ↑ / ↓ / ← / → (Up/Down/Left/Right) button.**

   ### To adjust the horizontal position

   Press the ← / → (Left/Right) button to move the projected image horizontally from the center of the lens.

Top view



A: One screen width

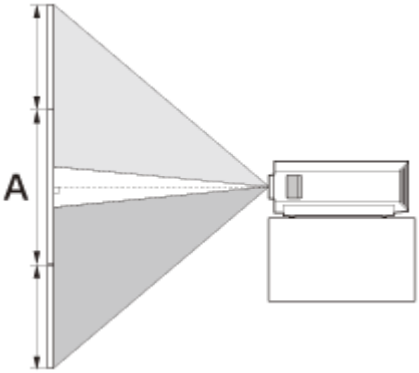
: Image position when moving the image fully to the left

: Image position when moving the image fully to the right

To adjust the vertical position

Press the ⬆ / ⬇ (Up/Down) button to move the projected image vertically from the center of the lens.

Side view



A: One screen height

: Image position when moving the image fully upward

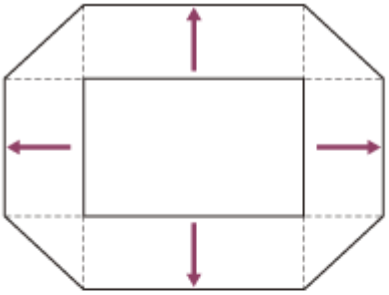
: Image position when moving the image fully downward

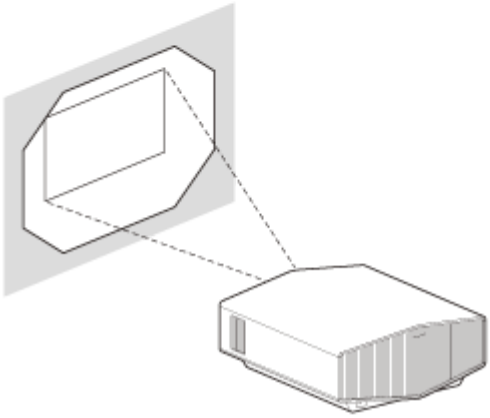
To return the lens position

Press the RESET button on the remote control while the lens shift adjustment window is displayed. The lens returns to the center (factory default position). (The zoom and focus settings are not changed.)

Range of movement on the projected image

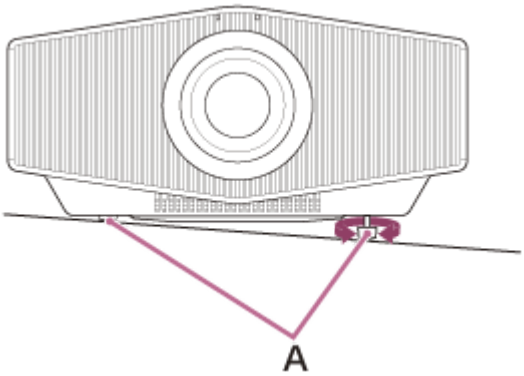
You can move the projected image only within the octagon area shown in the figure below. The movable range depends on the lens or the aspect ratio of the projected image.



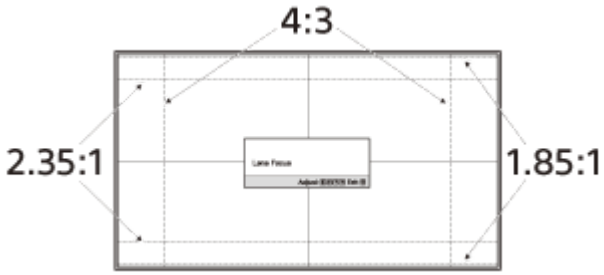


To adjust the tilt of the installation surface

If the unit is installed on an uneven surface, use the front feet (adjustable) (A) to keep the unit level.



Lens adjustment window (test pattern)



The dashed lines show the angle of view of each aspect ratio.

Related Topic

- Parts and Controls (Main Unit) (VPL-XW8100/VPL-XW6100)
- Parts and Controls (Remote Control) (RM-PJ24) (VPL-XW8100/VPL-XW6100)
- Menu Operation: Lens Control (VPL-XW8100/VPL-XW6100)
- Menu Operation: Test Pattern (VPL-XW8100/VPL-XW6100)

- Projection Distance and Lens Shift Range

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Adjusting the Position of the Projected Image (VPL-XW5100)

Hint

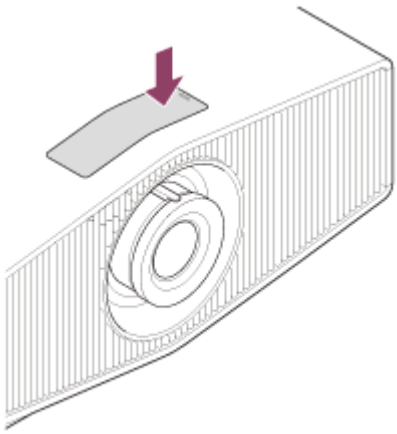
- Focus adjustment
  The projection lens of the high brightness projector is thermally affected by the light from the light source. Therefore, the focus is not stable immediately after turning on the power. To adjust the focus more precisely, it is recommended to adjust the focus after 30 minutes or more have elapsed since the projector has been turned on, and after the lens adjustment window (test pattern) has been displayed for 2 minutes or more.

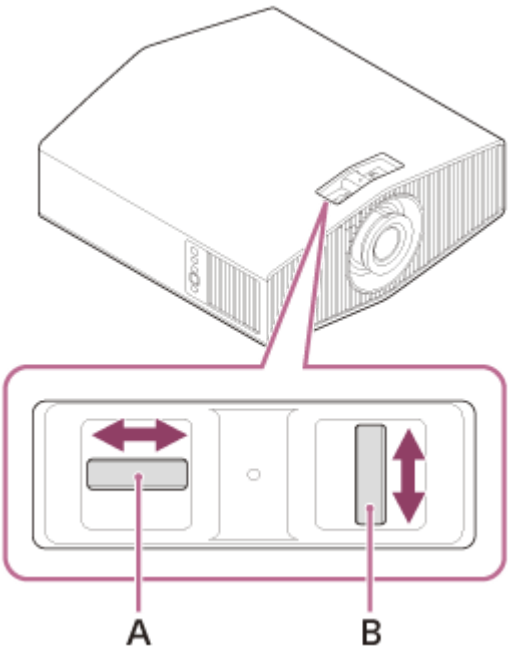
Note

- Depending on the installation location of the projector, you may not be able to control it with the remote control. In that case, use the remote control by pointing it towards the remote control detector on the projector or towards the screen.
- Do not touch the lens when you adjust the image position. Your fingers may be pinched when the lens extends/retracts.
- When installing the unit on the ceiling and opening the lid of the shift dial, the lid may fall. Be careful when opening and closing the lid, and operating the dial.
- Note that if the unit is tilted up or down, the projected image will be distorted in a trapezoidal shape.
- Be careful not to pinch your fingers when rotating the front feet (adjustable).

1. **Press the LENS button on the control panel or the PATTERN button on the remote control to display a test signal for performing adjustments.**

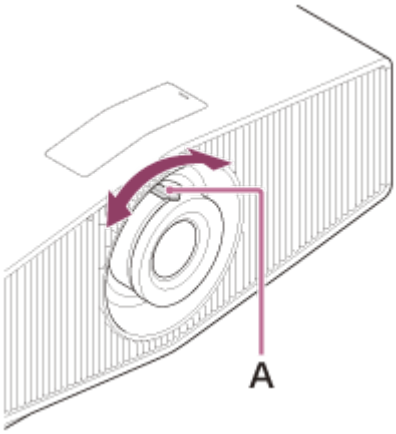
2. **Push the lid on the top of the unit to open it, then move both lens shift dials to adjust the picture position.**





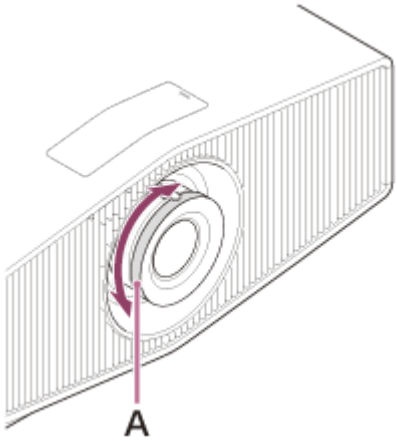
A: To adjust the horizontal position
B: To adjust the vertical position
After adjusting the picture position, attach the lid to its original position.

3 **Adjust the picture size using the zoom lever.**



A: Zoom lever

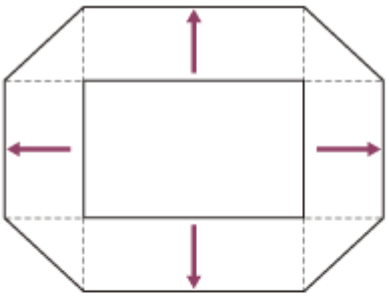
4 **Adjust the focus using the focus ring.**

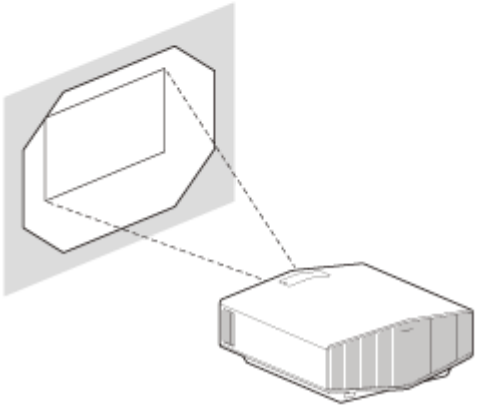


A: Focus ring

Range of movement on the projected image

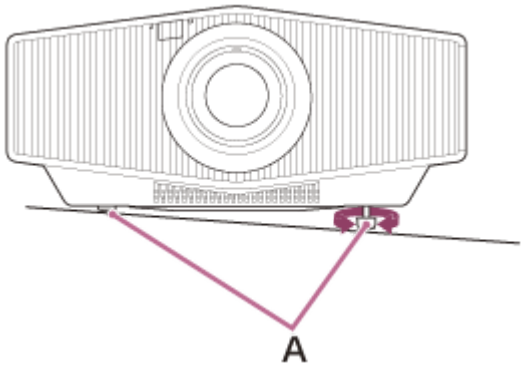
You can move the projected image only within the octagon area shown in the figure below. The movable range depends on the lens or the aspect ratio of the projected image.



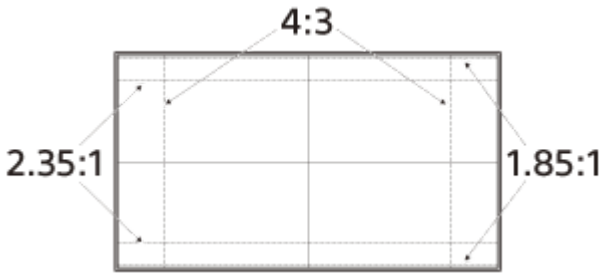


To adjust the tilt of the installation surface

If the unit is installed on an uneven surface, use the front feet (adjustable) (A) to keep the unit level.



Lens adjustment window (test pattern)



The dashed lines show the angle of view of each aspect ratio.

Related Topic

- Parts and Controls (Main Unit) (VPL-XW5100)
- Projection Distance and Lens Shift Range

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Precautions When Connecting

- Turn off all devices before making any connections.
- Use the proper cables for each connection.
- Insert the cable plugs firmly; Loose connections may reduce performance of picture signals or cause a malfunction. When unplugging a cable, be sure to grip the plug, not the cable itself.
- For more information, refer also to the instruction manual of the device to be connected.

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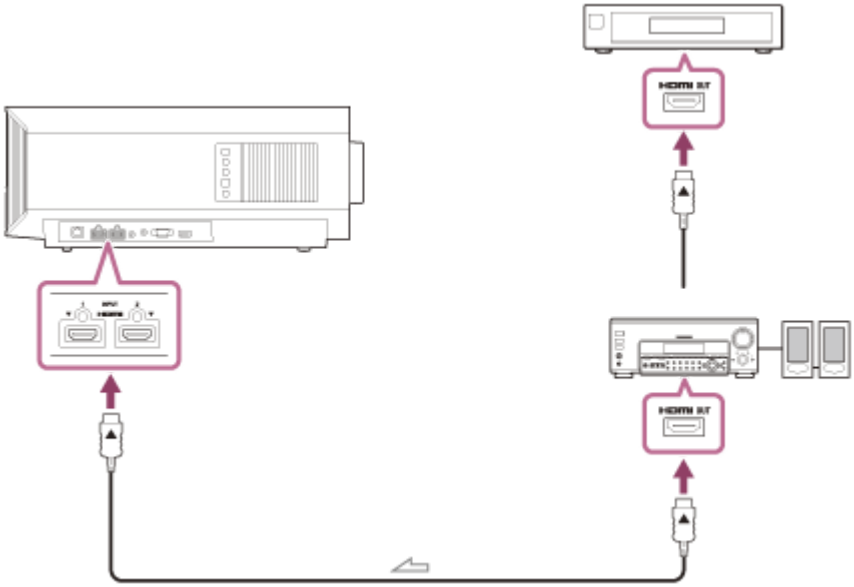
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Connecting to Video Equipment

You can enjoy high picture quality by connecting equipment, such as a DVD player/recorder, Blu-ray Disc player/recorder, or PlayStation®, equipped with the HDMI output to the HDMI input on the projector.
Connect the HDMI input on the projector to the HDMI output on the audio amplifier with an HDMI cable (not supplied).
Connect the audio amplifier to the HDMI output on video equipment.



: Signal flow

Note

- Use a “Premium High Speed” HDMI cable on which the cable type logo is specified. If using a cable other than a Premium High Speed cable, 4K images may not be displayed correctly.
- Use an “Ultra High Speed” HDMI cable for an HDMI device supporting the image output of 4K 120Hz.
- When connecting an HDMI cable to the projector, make sure that the mark (▼) on the upper side of the HDMI terminal on the projector and the mark (▲) on the connector of the cable are facing each other.
- If an image from a device connected with an HDMI cable is not displayed correctly, check the settings of the connected device.

Related Topic

- Parts and Controls (Main Unit) (VPL-XW8100/VPL-XW6100)
- Parts and Controls (Main Unit) (VPL-XW5100)
- Precautions When Connecting

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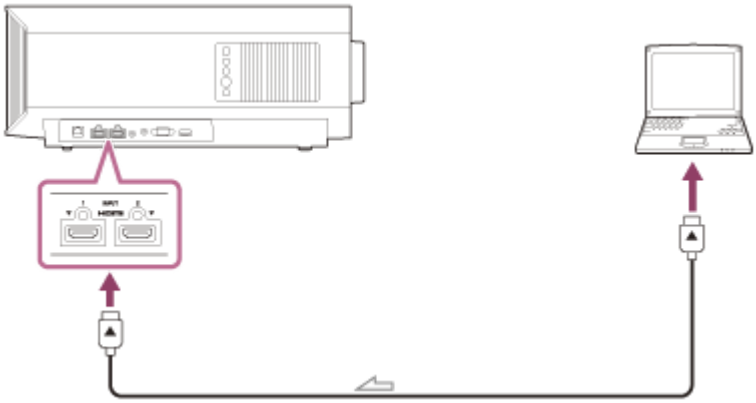
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Connecting to a Computer

Connect the HDMI input on the projector to the monitor output on the computer with an HDMI cable (not supplied).



: Signal flow

Note

- Use a “Premium High Speed” HDMI cable on which the cable type logo is specified. If using a cable other than a Premium High Speed cable, 4K images may not be displayed correctly.
- Use an “Ultra High Speed” HDMI cable for an HDMI device supporting the image output of 4K 120Hz.
- When connecting an HDMI cable to the projector, make sure that the mark (▼) on the upper side of the HDMI terminal on the projector and the mark (▲) on the connector of the cable are facing each other.
- If an image from a device connected with an HDMI cable is not displayed correctly, check the settings of the connected device.
- If the signal is set to be output to both a computer display and an external monitor, an image may not be displayed correctly on the projector. Set your computer to output the signal to only the external monitor. For settings of the computer, consult with the manufacturer of the computer.

Related Topic

- Parts and Controls (Main Unit) (VPL-XW8100/VPL-XW6100)
- Parts and Controls (Main Unit) (VPL-XW5100)
- Precautions When Connecting

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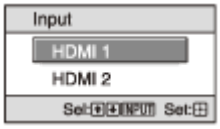
Projecting Images

Select the input device to project an image.

1. **Turn on both the unit and the device connected to the unit.**

2. **Press the INPUT button.**

   The input selection window appears.



3. **Press the INPUT button repeatedly to select the device from which you want to display images.**

   You can also select the desired device by pressing the ↑ / ↓ (Up/Down) button and the ⊕ (Enter) button.

Turning Off the Power

1. Press the ❙ / ⏻ (Power) button.
   The message [POWER OFF?] appears.
2. Press the ❙ / ⏻ (Power) button again before the message disappears.
   The POWER indicator flashes in green and the fan continues to run to reduce the internal heat.
   The fan stops and the POWER indicator changes from flashing green to remaining red.
3. Unplug the AC power cord from the wall outlet.

You can turn off the unit by holding the ❙ / ⏻ (Power) button for about 1 second, instead of performing the above steps.

Note

- Never disconnect the AC power cord while the indicator is flashing.

Hint

- When [Status] is set to [Off] in the [Setup] menu, the input selection window does not appear. Pressing the INPUT button switches input terminals sequentially.

Related Topic

- Menu Operation: Status

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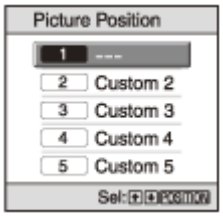
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Using the Picture Position (VPL-XW8100/VPL-XW6100)

You can store up to three combinations of lens settings (focus, image size, image position), aspect ratio, and blanking. These settings can be recalled.

1. **Press the POSITION button.**

   The Picture Position selection window appears.
   The position where the lens settings are not stored is displayed as [---].



2. **Press the POSITION button repeatedly to select the position.**

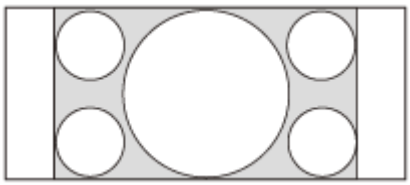
   The selected position is recalled.
   You can also select the desired position by pressing the ↑ / ↓ (Up/Down) button and the ⊕ (Enter) button.

Store or delete lens settings (focus, image size, image position) under [Picture Position] in the [Screen] menu.
Adjust the aspect ratio or blanking under [Aspect] or [Blanking] in the [Screen] menu.

Lens movement

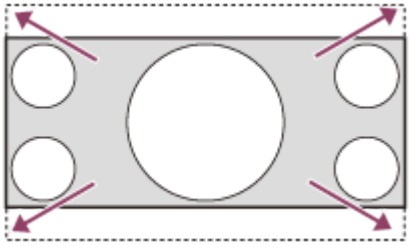
The following examples show that images with an aspect ratio of 1.78:1 (16:9) or 2.35:1 are projected on a 2.35:1 screen.

- When a 1.78:1 (16:9) image is input



- When a 2.35:1 image is input

When the POSITION button is pressed, the 2.35:1 image is expanded to fill the screen.



Note

- When the position has been selected and confirmed, the lens starts to move. Do not touch the lens and place anything near the lens. Doing so may cause injury or malfunction.
- If you press any button on the remote control or the control panel while the lens is moving, the lens stops. In that case, select the position again or adjust the lens manually.
- The Picture Position function is not guaranteed to reproduce the lens settings precisely.
- When you use multiple screen aspect ratios using the lens zoom, set the projector within the range of the specified projection distance in reference to the Projection distance list. Depending on the setting position, the range of the lens shift may be restricted, even though the projector is set within the specified range.

Related Topic

- Menu Operation: Picture Position (VPL-XW8100/VPL-XW6100)
- Menu Operation: Aspect
- Menu Operation: Blanking
- When Projecting in 1.78:1 (16:9) Format
- When Projecting in 2.35:1 Format

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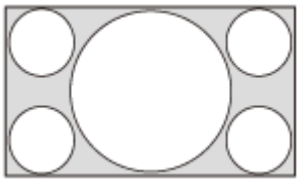
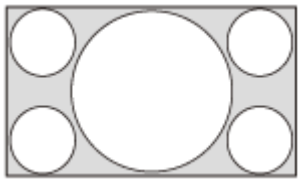
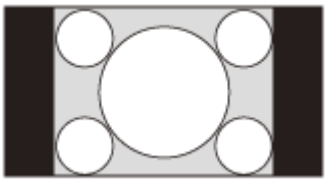
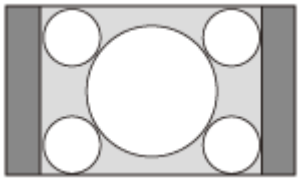
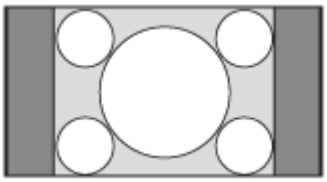
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

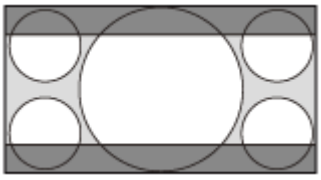
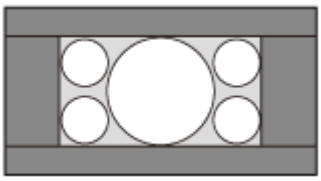
Selecting an Aspect Ratio According to an Image

You can select an aspect ratio best suited for an image.

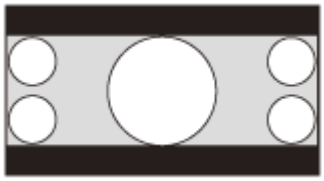
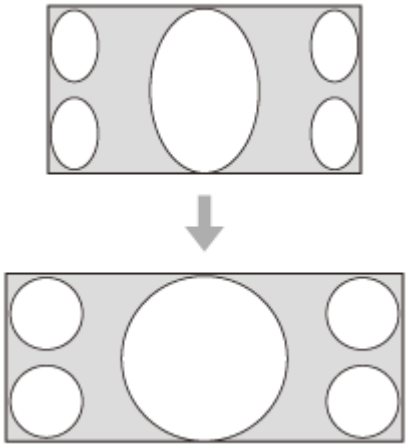
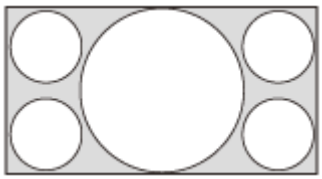
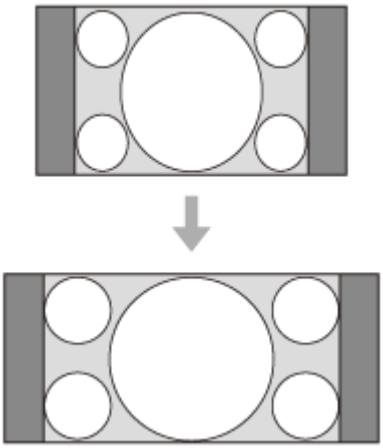
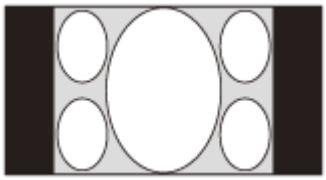
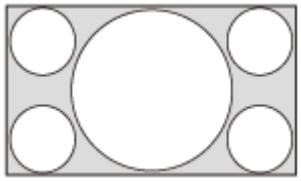
1. **Press the ASPECT button.**

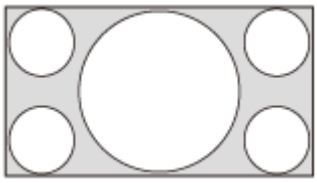
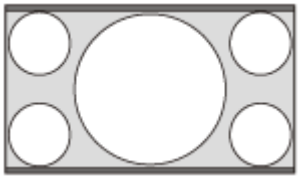
   Each time you press the button, you can select the [Aspect] setting.
   You can also select it using [Aspect] in the [Screen].

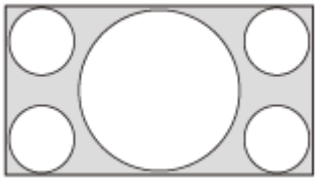
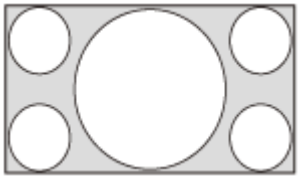
Original image (displayed on 16:9)	Recommended settings and resulting images
1.78:1 (16:9) 	[Normal] 
1.33:1 (4:3) 	
1.33:1 (4:3) with side panels 	

Original image (displayed on 2.35:1)	Recommended settings and resulting images
16:9 	[Aspect Ratio Scaling]* 

* VPL-XW5100 only

Original image (displayed on 16:9)	Recommended settings and resulting images
2.35:1 	[V Stretch]  When using an anamorphic lens
16:9 	[Squeeze]  When using an anamorphic lens
Squeeze 	[Stretch] 

Original image (displayed on 17:9)	Recommended settings and resulting images
1.90:1 (17:9) 	[Full 1] 

Original image (displayed on 17:9)	Recommended settings and resulting images
1.90:1 (17:9) 	[Full 2]  When projecting 1.90:1 images across the entire screen

Notes on selecting an aspect setting

- If you select an aspect setting different from the original one, such as TV programs, a projected image will be displayed differently from the original image. Pay attention when selecting the aspect setting.
- Note that if the unit is used for profit or for public viewing in a cafe or hotel, modifying the original image, such as dividing, shrinking, or stretching a display, by changing the aspect may constitute an infringement of the rights of authors or producers, which are legally protected.

Note

- Selectable aspect settings vary depending on an input signal.
- When a computer signal is input, you cannot select the aspect setting.

Related Topic

- Menu Operation: Aspect
- Aspect Mode

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Selecting the Picture Viewing Mode

You can select the image quality that best suits the type of the image source or room conditions.

1. **Press the CALIBRATED PRESET button with the desired picture mode.**

Settings

CINEMA FILM 1 ([Cinema Film 1])
Image quality suited for reproducing the wide dynamic and clear images typical of movies.
CINEMA FILM 2 ([Cinema Film 2])
Image quality suited for reproducing the rich tone and color typical of a movie theater, based on [Cinema Film 1].
REF ([Reference])
Image quality suited for reproducing the original image quality faithfully, or to enjoy the image quality without any adjustment.
TV ([TV])
Image quality suited for watching TV programs, sports, concerts, and other video images.
PHOTO ([Photo])
Image quality suited for viewing still images taken with a digital camera and other devices.
GAME ([Game])
Image quality suited for gaming, with well-modulated colors and fast response.
BRT CINE ([Bright Cinema])
Image quality suited for watching movies in a bright room.
BRT TV ([Bright TV])
Image quality suited for watching TV programs, sports, concerts, and other video images in a bright room.
USER ([User])
You can set and adjust the image quality to suit your taste, then you can save the setting. The default setting is the same as [Reference].
[IMAX Enhanced]
Image quality suited for watching IMAX Enhanced contents.
Press the MENU button and select a [Calib. Preset] in the [Picture] menu.

Related Topic

- Parts and Controls (Remote Control) (RM-PJ24) (VPL-XW8100/VPL-XW6100)
- Parts and Controls (Remote Control) (RM-PJ28) (VPL-XW5100)
- Menu Operation: Calib. Preset

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Navigating Menus

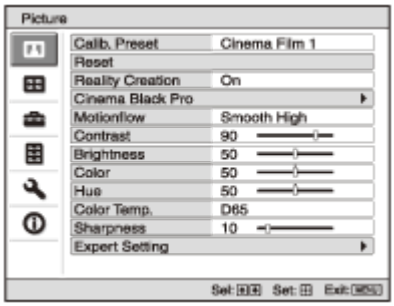
Various settings and adjustments are performed on the menu window of the projector. Selecting an item with an arrow (▶) after the item name will display the items to be set in the next tier.

Note

- The figures used in the explanation are for reference only. Some may differ depending on the model you are using. We appreciate your understanding.

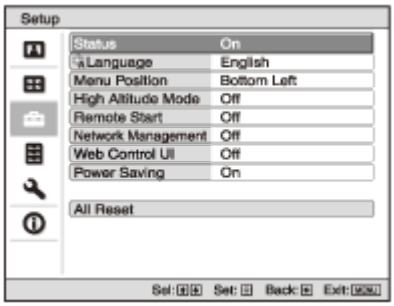
1. **Press the MENU button.**

   The menu window appears.



2. **Press the ▲ / ▼ (Up/Down) button to select a menu item, then press either the ➡ (Right) or ⊕ (Enter) button.**

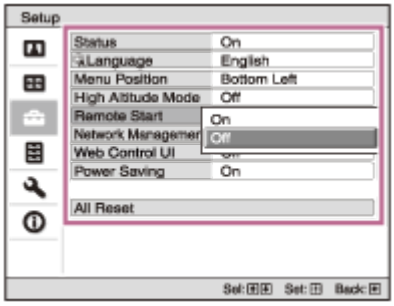
   The items that can be set or adjusted appear. The item currently selected is shown in white.



3. **Press the ▲ / ▼ (Up/Down) button to select an item, then press either the ➡ (Right) or ⊕ (Enter) button.**

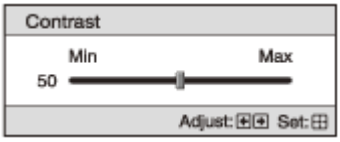
   The setting items are displayed in a pop-up menu, in a setting menu, in an adjustment menu, or in the next menu window.

Pop-up menu

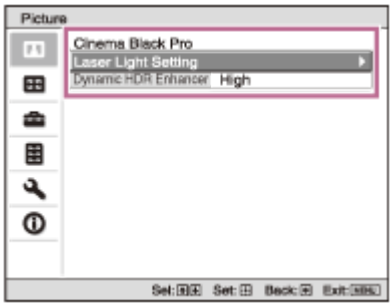


Setting menu

Adjustment menu



Next menu window



4 **Set or adjust an item.**

When changing an item value

- To increase a value, press the ↑ (Up) or → (Right) button.
- To decrease a value, press the ↓ (Down) or ← (Left) button.

Press the ⊕ (Enter) button to confirm the setting, then you will return to the previous screen.

When changing an item setting

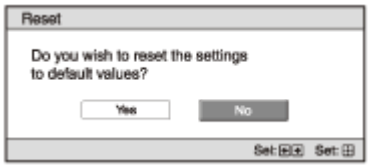
Select the desired item with the ↑ / ↓ (Up/Down) button.
Press the ⊕ (Enter) button to confirm the setting, then you will return to the previous screen.
Depending on some items, pressing the ← (Left) button will return you to the previous screen.

To close the menu window

Press the MENU button.

To reset the adjusted image quality to the factory preset value

Select [Reset] in the [Picture] menu.



Select [Yes] with the (Left) button, then press the (Enter) button.
All of the following settings in the [Picture] menu are reset to the factory preset values.

- [Reality Creation]
- [Cinema Black Pro]
- [Motionflow]
- [Contrast]
- [Brightness]
- [Color]
- [Hue]
- [Color Temp.]
- [Sharpness]
- [Expert Setting]

To reset the configured/adjusted items to the factory preset values

Select the desired item in the menu window to display the pop-up menu, the setting menu, or the adjustment menu.
Press the RESET button on the remote control to reset only the selected item to the factory preset value.

Note

- The RESET button on the remote control is available only while the adjustment menu or the setting menu is selected.

Related Topic

- Parts and Controls (Remote Control) (RM-PJ24) (VPL-XW8100/VPL-XW6100)
- Parts and Controls (Remote Control) (RM-PJ28) (VPL-XW5100)
- Menu Operation: Reset

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Menu Operation: Calib. Preset

You can select the image quality that best suits the type of the image source or room conditions.

1. **Press the MENU button.**
2. **Select [Picture] - [Calib. Preset] - the desired setting.**

Settings

[Cinema Film 1]
Image quality suited for reproducing the wide dynamic and clear images typical of movies.
[Cinema Film 2]
Image quality suited for reproducing the rich tone and color typical of a movie theater, based on [Cinema Film 1].
[Reference]
Image quality suited for reproducing the original image quality faithfully, or to enjoy the image quality without any adjustment.
[TV]
Image quality suited for watching TV programs, sports, concerts, and other video images.
[Photo]
Image quality suited for viewing still images taken with a digital camera and other devices.
[Game]
Image quality suited for gaming, with well-modulated colors and fast response.
[Bright Cinema]
Image quality suited for watching movies in a bright room.
[Bright TV]
Image quality suited for watching TV programs, sports, concerts, and other video images in a bright room.
[User]
You can set and adjust the image quality to suit your taste, then you can save the setting. The default setting is the same as [Reference].
[IMAX Enhanced]
Image quality suited for watching IMAX Enhanced contents.

Hint

- When you adjust the image quality, the setting is saved for each input.
- You can also set [Calib. Preset] with the CALIBRATED PRESET buttons on the remote control.

Related Topic

- Selecting the Picture Viewing Mode

5-061-755-12(2) Copyright 2024 Sony Corporation

Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Reset

All settings of the currently selected preset mode are reset to the default settings.

1. **Press the MENU button.**
2. **Select [Picture] - [Reset].**

Hint

- A reset does not affect any of the gain/bias settings saved for [Color Temp.].
- The settings can be reset for SDR/HDR.

Related Topic

- Menu Operation: Color Temp.

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Menu Operation: Reality Creation

To achieve realistic images, the image definition is adjusted and image noise is reduced. (Super-resolution function)

1. **Press the MENU button.**
2. **Select [Picture] - [Reality Creation] - [On] or [Off].**
3. **When you select [On], select the desired setting.**

Settings

[Resolution]
When you increase the setting value, the texture and details of the image are enhanced to sharpen the image.
[Noise Filtering]
When you increase the setting value, image noise (image roughness) becomes less prominent.
[D.Focus Optimizer]
[On]/[Off]: When [On] is set, it optimizes the projected image. It achieves enhanced texture and image details, and sharpens the image.
[Test: On/Off]
Changes [On] and [Off] at a certain frequency to check the effect of Reality Creation.

Hint

- You can also set [Reality Creation] with the REALITY CREATION button on the remote control.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Cinema Black Pro > Laser Light Setting

You can adjust the brightness of the laser light.

1. **Press the MENU button.**
2. **Select [Picture] - [Cinema Black Pro] - [Laser Light Setting] - the desired setting.**

Settings

[Dynamic Control]
You can change the range of the laser light.

- [Full]: Automatically adjusts the laser light and signal processing according to the brightness level of the input source, and optimizes the amount of light. This results in a dynamic image with light and high contrast.
- [Limited]: Compared to [Full], it suppresses the laser light and brightness. This is suitable for viewing an image in a dark room.
- [Off]: Turns off the dynamic control function.

[Output]
Higher values lighten the image, while lower values darken the image.

Hint

- Adjust [Output] according to the brightness of the image and select the setting under [Dynamic Control] to suit your taste.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Cinema Black Pro > Dynamic HDR Enhancer

When the HDR content is reproduced, the signal levels in the light/dark area are automatically adjusted to optimize the contrast according to a scene. Image sharpness is enhanced, and it results in a dynamic image.

1. **Press the MENU button.**
2. **Select [Picture] - [Cinema Black Pro] - [Dynamic HDR Enhancer] - the desired setting.**

Settings

[High], [Middle], [Low]
You can adjust the D.HDR enhancer.
[Off]
The D.HDR enhancer is turned off.

Hint

- You can also set [Dynamic HDR Enhancer] with the CONTRAST ENHANCER button on the remote control.

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Menu Operation: Cinema Black Pro > HDR Tone Mapping

Analyzes the signal level in real time when an HDR signal is input and automatically adjusts the brightness and gradation balance depending on the scene, maintaining the gradation for a bright scene and improving the brightness and dark gradation for a dark scene.

1. **Press the MENU button.**
2. **Select [Picture] - [Cinema Black Pro] - [HDR Tone Mapping] - the desired setting.**

Settings

[Mode 1]
Brightness preferred mode compared to [Mode 2]. Recommended for viewing contents in a brighter environment.
[Mode 2]
Mode to balance the brightness and high gradation. Recommended for watching movies.
[Mode 3]
High gradation preferred mode, which becomes slightly darker then [Mode 2]. Recommended for viewing contents including high brightness information.
[Off]
Turn off the HDR tone mapping function.

Hint

- When the HDR mode is working with HDR Reference, such as when [HDR] is set to [HDR Reference], this function is not available even when an HDR signal is input. Set [HDR] to [HDR10], [HLG], or [Auto] - [HDR10/HLG].

Related Topic

- Menu Operation: Expert Setting > HDR

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Menu Operation: Motionflow

You can configure the smoothness of image motion.

1. **Press the MENU button.**
2. **Select [Picture] - [Motionflow] - the desired setting.**

Settings

[Smooth High]
It provides smooth motion images. It is especially effective for film-based content.
[Smooth Low]
It provides smooth motion images for standard use.
[True Cinema]
Images, such as a movie created in 24 frames per second, are reproduced at the original framerate.
[Off]
Motionflow is turned off.

Hint

- Select [Off] for Motionflow if the selected [Smooth High], [Smooth Low], or [True Cinema] results in a distorted picture.
- Depending on the image, you may not see the effect visually even if you have changed the settings.
- You can also set [Motionflow] with the MOTIONFLOW button on the remote control.
- When 4K 120Hz or 2K 120Hz is input, the [Motionflow] settings cannot be selected.

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Menu Operation: Contrast

You can adjust the contrast of images.

1. **Press the MENU button.**

2. **Select [Picture] - [Contrast] - Adjust the values.**

   Higher values increase the sharpness in images while lower values decrease the sharpness.

Hint

- [Contrast(HDR)] appears instead of [Contrast] for the following cases:
  - When the HDR signal is input while [HDR] is set to [Auto], and when [HDR Tone Mapping] is set to [Off].
  - When [HDR] is set to [HDR10], [HDR Reference] or [HLG], and when [HDR Tone Mapping] is set to [Off].
- You can also set [Contrast] with the CONTRAST button on the remote control.

Related Topic

- Menu Operation: Expert Setting > HDR
- Menu Operation: Cinema Black Pro > HDR Tone Mapping

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Brightness

You can adjust the brightness of images.

1. **Press the MENU button.**

2. **Select [Picture] - [Brightness] - Adjust the values.**

   Increasing the value lightens the image, while decreasing the value darkens the image.

Hint

- You can also set [Brightness] with the BRIGHTNESS button on the remote control.

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Menu Operation: Color

You can adjust the color saturation.

1. **Press the MENU button.**

2. **Select [Picture] - [Color] - Adjust the values.**

   Higher values increase the color saturation, while lower values decrease the color saturation.

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Menu Operation: Hue

You can adjust the color tone.

1. **Press the MENU button.**

2. **Select [Picture] - [Hue] - Adjust the values.**

   Higher values make the image greenish, while lower values make the image reddish.

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Menu Operation: Color Temp.

You can adjust the color temperature.

1. **Press the MENU button.**
2. **Select [Picture] - [Color Temp.] - the desired setting.**

Settings

[D93]
Equivalent to 9 300 K color temperature normally used in TVs. The white area has a bluish tone.
[D75]
Equivalent to 7 500 K color temperature used as an ancillary standard illuminant. This results in a neutral tone between [D93] and [D65].
[D65]
Equivalent to 6 500 K color temperature used as a standard illuminant. The white area has a reddish tone.
[D55]
Equivalent to 5 500 K color temperature used as an ancillary standard illuminant. The white area has a more reddish tone.
[Custom 1] to [Custom 5]
You can set and adjust the color temperature to suit your preference, and save the setting.
The default settings are as follows.

- [Custom 1]: Same setting as [D93]
- [Custom 2]: Same setting as [D75]
- [Custom 3]: Same setting as [D65]
- [Custom 4]: Same setting as [D55]
- [Custom 5]: Brightness-priority setting

Hint

- You can adjust each item to a color temperature according to your preference.
- You can also set [Color Temp.] with the COLOR TEMP button on the remote control.

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Menu Operation: Sharpness

It sharpens the outline of the image and reduces the image noise.

1. **Press the MENU button.**

2. **Select [Picture] - [Sharpness] - Adjust the values.**

   Higher values sharpen the outline, while lower values reduce the noise by softening the outline.

Hint

- You can also set [Sharpness] with the SHARPNESS button on the remote control.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Expert Setting > NR (Noise Reduction)

The image roughness and noise are reduced.

1. **Press the MENU button.**
2. **Select [Picture] - [Expert Setting] - [NR] - the desired setting.**

Settings

[Auto]
The noise level of the input source is detected, and the image roughness and noise are automatically reduced.
[High], [Middle], [Low]
Select the setting according to the roughness or noise of the input source.
[Off]
NR (noise reduction) is turned off.

Hint

- The noise level may not be detected accurately with [Auto] depending on the input source. If the image is not acceptable with [Auto], select the setting from [High], [Middle], [Low], or [Off] accordingly.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Expert Setting > Smooth Gradation

It achieves smooth gradation on the flat area of the image.

1. **Press the MENU button.**
2. **Select [Picture] - [Expert Setting] - [Smooth Gradation] - the desired setting.**

Settings

[High], [Middle], [Low]
You can change the smooth gradation effect.
[Off]
Smooth gradation is turned off.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Expert Setting > Gamma Correction

It configures the response characteristics of gradation of the corrected image. You can select the desired gradation from 10 options.

1. **Press the MENU button.**
2. **Select [Picture] - [Expert Setting] - [Gamma Correction] - the desired setting.**

Settings

[1.8], [2.0], [2.1], [2.2], [2.4], [2.6]
Lower values lighten the image overall, while higher values darken the image.
[Gamma 7]
The dark area is enhanced to sharpen the image quality.
[Gamma 8]
An image quality lighter than [Gamma 7] is reproduced. Select this when you view an image in a slightly bright room.
[Gamma 9]
An image quality lighter than [Gamma 8] is reproduced.
[Gamma 10]
It sharpens the image quality. Select this when you watch TV programs, etc. in a slightly bright room.
[Off]
Gamma correction is turned off.

Hint

- You can also set [Gamma Correction] with the GAMMA CORRECTION button on the remote control.

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Menu Operation: Expert Setting > Color Correction

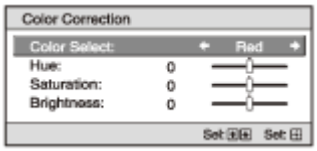
You can adjust color hue, saturation, and brightness.

1. **Press the MENU button.**

2. **Select [Picture] - [Expert Setting] - [Color Correction] - [On] or [Off].**

3. **When you select [On], adjust color hue, saturation, and brightness by repeating steps 1 and 2 as below.**

   1. Press the ↑ / ↓ (Up/Down) button to select [Color Select], then press the ← / → (Left/Right) button to select the color you want to adjust from [Red], [Yellow], [Green], [Cyan], [Blue], or [Magenta].

   2. Press the ↑ / ↓ (Up/Down) button to select [Hue], [Saturation], or [Brightness], then adjust them to suit your taste with the ← / → (Left/Right) button, while viewing the projected image.

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Menu Operation: Expert Setting > Live Color Enhancer(VPL-XW8100)

The colors of the subject such as the sky, earth, and plants can be expressed in vivid and attractive colors with Sony's original algorithm.

1. **Press the MENU button.**
2. **Select [Picture] - [Expert Setting] - [Live Color Enhancer] - the desired setting.**

Settings

[High], [Middle], [Low]
You can change the live color enhancer effect.
[Off]
Live Color Enhancer is turned off.

5-061-755-12(2) Copyright 2024 Sony Corporation

Menu Operation: Expert Setting > HDR

You can configure the HDR content-reproduction method.
HDR (High Dynamic Range) makes dark and light areas of the image more expressive than before.

1. **Press the MENU button.**
2. **Select [Picture] - [Expert Setting] - [HDR] - the desired setting.**

Settings

[Auto]
It distinguishes HDR content automatically to apply the optimal image quality. You can change the HDR setting selected automatically when HDR10-compliant content is distinguished.

- [HDR10/HLG]: When a signal is HDR10 compliant, the [HDR10] setting is applied. When it is HLG compliant, the [HLG] setting is applied.
- [HDR Reference/HLG]: When a signal is HDR10 compliant, the [HDR Reference] setting is applied. When it is HLG compliant, the [HLG] setting is applied.

[HDR10]
Set this when you reproduce HDR10-compliant content.
[HDR Reference]
This is suitable for reproducing HDR10-compliant content with a maximum brightness of 1 000 nit.
[HLG]
Set this when you reproduce HLG-compliant content.
[Off]
Set this when you reproduce content other than HDR content.

Hint

- When [Auto] is selected and a signal is BT.2020 compatible, the [Color Space] is set to [BT.2020] automatically.

Note

- If the setting is not correct for the input content, the light and dark areas of the image may appear too light or too dark.
- When you set [HDR10] or [HDR Reference], compare the image quality in both settings, then select the one that optimally displays the average brightness and gradation of the light area.

Related Topic

- Menu Operation: Expert Setting > Color Space

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

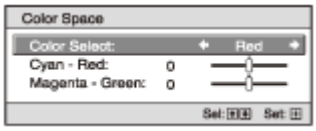
Menu Operation: Expert Setting > Color Space

You can convert the color space.

1. **Press the MENU button.**
2. **Select [Picture] - [Expert Setting] - [Color Space] - the desired setting.**

Settings

[BT.709]
An ITU-R BT.709 color space, which is used for high-definition television broadcast or Blu-ray Disc. The color space is equivalent to sRGB.
[BT.2020]
The color space is wider than BT.709. Use this setting when playing back BT.2020 content, which is mainly used for HDR content.
[Color Space 1]
The color space suited for watching TV programs and video images, such as sports, concerts, etc.
[Color Space 2]
The color space suited for watching TV programs, sports, concerts, and other video images in a bright environment, such as a living room.
[Color Space 3]
The color space suited for watching movies in a bright environment, such as a living room.
[Custom]
You can adjust the color space setting to suit your preference.



Hint

- You can adjust each item for your preferred color space.
- You can also set [Color Space] with the COLOR SPACE button on the remote control.

Note

- When [HDR] is set to [Auto], the selectable setting changes according to the signal type.

Related Topic

- Menu Operation: Expert Setting > HDR

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Menu Operation: Expert Setting > Input Lag Reduction

It reduces the display delay of the image.

1. **Press the MENU button.**

2. **Select [Picture] - [Expert Setting] - [Input Lag Reduction] - [On] or [Off].**

   When [On] is selected, it reduces the time until the input image is displayed. This is effective when you want to increase the display response speed, such as when using an external controller, etc.

Hint

- When [Input Lag Reduction] is set to [On], you cannot set [Motionflow] and [NR].
- If HDMI devices, such as a game console, call for a low-latency performance with the HDMI2.1-compliant Auto Low Latency Mode (ALLM) function, [Input Lag Reduction] is fixed to [On] and is not displayed in the menu.

Related Topic

- Menu Operation: Motionflow
- Menu Operation: Expert Setting > NR (Noise Reduction)

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Picture Position (VPL-XW8100/VPL-XW6100)

You can save up to three combinations of lens settings, aspect ratio, and blanking.

1. **Press the MENU button.**
2. **Select [Screen] - [Picture Position].**
3. **After setting the lens (focus, image size, image position), select the desired position from [Custom 1] to [Custom 5] according to the adjusted screen aspect-ratio. Then confirm the selected position.**
4. **Select [Save], [Delete], or [Select].**

Settings

[Save]
The current lens settings (focus, image size, image position) are saved in the selected position. If another setting has already been saved in the position, it is overwritten.
[Delete]
The saved setting is deleted. After the setting is deleted, [Custom 1] to [Custom 5] are changed to [---] in the display.
[Select]
The settings of the selected position are recalled.

Hint

- It is recommended to first move down by 5 cm (2 inches) or more from the desired point, then move up before saving the Picture Position. This improves the precision of the Picture Position when it is recalled.
- You can also set [Picture Position] with the POSITION button on the remote control.

Note

- When the position has been selected and then confirmed, the lens starts to move. Do not touch the lens and place anything near the lens. Doing so may cause injury or malfunction.
- If you press any button on the remote control or the control panel while the lens is moving, the lens stops. In that case, select the position again or adjust the lens manually.
- If you use a 2.35:1 aspect ratio and a 16:9 aspect ratio together with the Picture Position function, make sure that the installation position of the projector is suitable.
- The Picture Position function is not guaranteed to reproduce the lens settings precisely.

Related Topic

- Using the Picture Position (VPL-XW8100/VPL-XW6100)
- Menu Operation: Lens Control (VPL-XW8100/VPL-XW6100)

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Aspect

You can set the aspect ratio of the image to be projected for the current input signal.

1. **Press the MENU button.**
2. **Select [Screen] - [Aspect] - the desired setting.**

Settings

[Full 1]
4096 × 2160 images are projected across the entire screen while maintaining the aspect ratio.
[Full 2]
4096 × 2160 images are projected across the entire screen.
[Normal]
Input image is projected on the entire screen with the aspect ratio maintained. This is suitable for viewing 1.78:1 (16:9) and 1.33:1 (4:3) images.
[Aspect Ratio Scaling]*
The 16:9 image is digitally switched to fit the 2.35:1 screen without adjusting the lens.
[V Stretch]
This is most suitable for viewing the 2.35:1 image on the 2.35:1 screen with a commercially available anamorphic lens. When you select [V Stretch] under [Trigger Select] in the [Installation] menu, a 12 V signal is output from the TRIGGER terminal.
[Squeeze]
When you view the 1.78:1 (16:9) or 1.33:1 (4:3) image with a commercially available anamorphic lens, the image is projected with the correct aspect ratio.
[Stretch]
The image squeezed to 1.33:1 (4:3) is projected with 1.78:1 (16:9) aspect ratio.

* VPL-XW5100 only

Hint

- When you select [V Stretch] or [Squeeze], select the anamorphic lens type according to your anamorphic lens under [Anamorphic Lens] in the [Installation] menu.
- Selectable aspect settings vary depending on an input signal.
- When a computer signal is input, you cannot select the aspect settings.
- The aspect setting is saved for each of the five Picture Positions. Select the Picture Position before adjusting the aspect. Final adjusted values are saved automatically. (VPL-XW8100/VPL-XW6100)
- You can also set [Aspect] with the ASPECT button on the remote control.

Related Topic

- Selecting an Aspect Ratio According to an Image
- Menu Operation: Picture Position (VPL-XW8100/VPL-XW6100)
- Menu Operation: Anamorphic Lens
- Menu Operation: Trigger Select

- Aspect Mode

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Blanking

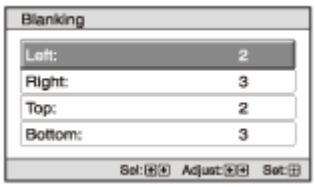
You can adjust the display region within the four directions of the screen.

1. **Press the MENU button.**

2. **Select [Screen] - [Blanking] - [On] or [Off].**

3. **When you select [On], adjust the blanking.**

   1. Press the ↑/↓ (Up/Down) button to select the desired range from [Left], [Right], [Top], or [Bottom].
   2. Press the ←/→ (Left/Right) button to adjust the amount of blanking.



Hint

- Depending on the aspect setting, right/left blanking may not be available.
- Blanking setting is saved for each of the five Picture Positions. Select the Picture Position before adjusting the blanking. Final adjusted values are saved automatically. (VPL-XW8100/VPL-XW6100)

Related Topic

- Menu Operation: Picture Position (VPL-XW8100/VPL-XW6100)

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Status

It sets whether to display on-screen messages or menus.

1. **Press the MENU button.**
2. **Select [Setup] - [Status] - the desired setting.**

Settings

[On]
On-screen messages and menus are displayed.
[Off]
It turns off on-screen messages and menus other than certain menus, the confirmation message when turning off the power, and warning messages.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Language

You can select the display language used for the on-screen menus and messages.

1. **Press the MENU button.**
2. **Select [Setup] - [Language] - the desired language.**

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Menu Position

You can change the display position for the on-screen menu.

1. **Press the MENU button.**
2. **Select [Setup] - [Menu Position] - the desired setting.**

Settings

[Bottom Left]
The menu is displayed on the bottom left of the screen.
[Center]
The menu is displayed on the center of the screen.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: High Altitude Mode

You can set according to the atmospheric pressure at the installation location.

1. **Press the MENU button.**
2. **Select [Setup] - [High Altitude Mode] - the desired setting.**

Settings

[Level 2]
Select when using the projector in a location at an altitude of 1 800 m (approx. 5 900 ft) or higher.
[Level 1]
Select when using the projector in a location at an altitude from 1 000 m (approx. 3 280 ft) to 1 800 m (approx. 5 900 ft).
[Off]
Select when using the projector on level ground.

Hint

- When [Level 2] or [Level 1] is selected, fan noise becomes slightly louder since the fan rotation speed increases. In a high temperature environment, the laser light is automatically adjusted according to the intake air temperature, and the brightness will be slightly reduced.

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Menu Operation: Remote Start

You can configure the Remote Start settings.

1. **Press the MENU button.**

2. **Select [Setup] - [Remote Start] - [On] or [Off].**

   Selecting [On] allows you to turn on the projector from the device such as a computer in a networked environment.

Hint

- It is necessary to configure the network connection correctly and connect the projector to the network in advance.
- To turn on the projector using the remote start function, it is necessary to send special commands from a computer. For details, consult with qualified Sony personnel.

Note

- When [Remote Start] is set to [On], networked standby mode is enabled and power consumption increases. When the Network Management function is set to [On] in the [Setup] menu, Remote Start is automatically fixed at [Off] and it is not displayed in the menu.

Related Topic

- Menu Operation: Network Setting
- Menu Operation: Network Management

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Menu Operation: Network Management

You can configure whether to enable the network function.

1. **Press the MENU button.**

2. **Select [Setup] - [Network Management] - [On] or [Off].**

   When constantly communicating with the projector control device in a networked environment, select [On].

Hint

- When [Network Management] is set to [On], the time until an image is displayed after pressing the | / ⏻ (Power) button can be shortened.

Note

- When [Network Management] is set to [On], the network function is always enabled. Setting to [On] increases the power consumption.

Related Topic

- Uses for Network Features

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Web Control UI

You can configure whether to enable the control via the web.

1. **Press the MENU button.**

2. **Select [Setup] - [Web Control UI] - [On] or [Off].**

   When controlling the projector via the web, set to [On].

Related Topic

- Uses for Network Features

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Power Saving

You can configure Power Saving (sleep mode).

1. **Press the MENU button.**

2. **Select [Setup] - [Power Saving] - [On] or [Off].**

   When you select [On], the projector is powered down automatically if there is no signal input to the projector for 10 minutes or more.

Note

- When [Power Saving] is set to [Off], power consumption increases.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: All Reset

All the settings configured in the menu of the projector and all the data adjusted by remotely connected devices are reset to the default settings.

1. **Press the MENU button.**
2. **Select [Setup] - [All Reset].**

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Dynamic Range

You can set the image input level for the HDMI 1/HDMI 2 terminal.

1. **Press the MENU button.**
2. **Select [Function] - [Dynamic Range] - the desired setting.**

Settings

[Auto]
The image input level is identified automatically.
[Limited]
Select this when the image input level is equivalent to levels between 16 and 235.
[Full]
Select this when the image input level is equivalent to levels between 0 and 255.

Note

- If the image output setting of the connected HDMI device is not configured correctly, light and dark areas of the image may appear too light or too dark.

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Menu Operation: HDMI Signal Format

You can switch the image signal format for 4K.

1. **Press the MENU button.**
2. **Select [Function] - [HDMI Signal Format] - the desired setting.**

Settings

[Standard Format]
An image is displayed in the standard HDMI format.
[Enhanced Format]
An image is displayed in a more high-definition HDMI format.

Hint

- The image or sound may not be output correctly when [Enhanced Format] is selected. In that case, select [Standard Format].
- It may take time to display an image after changing the image signal format.

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Menu Operation: Test Pattern (VPL-XW8100/VPL-XW6100)

It sets whether to display the test pattern when the lens setting is adjusted.

1. **Press the MENU button.**

2. **Select [Function] - [Test Pattern] - [On] or [Off].**

   When [On] is selected, the test pattern appears on the screen when adjusting the lens focus, lens zoom, or lens shift.

Hint

- While the test pattern is displayed, it is displayed in a green pattern with a blue background so that you can adjust the focus easily.

Related Topic

- Adjusting the Position of the Projected Image (VPL-XW8100/VPL-XW6100)

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Settings Lock

You can lock menu settings to prevent an operation error.

1. **Press the MENU button.**
2. **Select [Function] - [Settings Lock] - the desired setting.**

Settings

[Off]
Settings Lock is canceled.
[Level A]
The following are not displayed in the menu and cannot be operated.

- Settings other than [Calib. Preset] in the [Picture] menu

[Level B]
The following are not displayed in the menu and cannot be operated.

- Settings other than [Calib. Preset] in the [Picture] menu
- Settings other than [All Reset] in the [Setup] menu
- [Dynamic Range] in the [Function] menu
  [Test Pattern] in the [Function] menu (VPL-XW8100/VPL-XW6100)
- All items in the [Installation] menu

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Corner Keystone

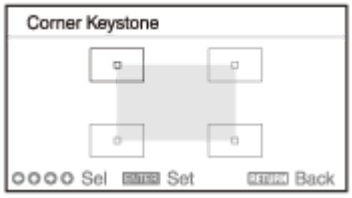
Corrects distortion of the image caused by the installation method. Use this function when the projection is diagonal relative to the screen, etc.

1. **Press the MENU button.**

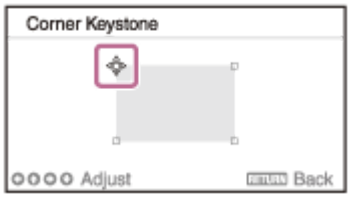
2. **Select [Installation] - [Corner Keystone] - [Adjust] or [Reset].**

3. **If you select [Adjust], select a corner to correct and adjust the corner position.**

   1. Select a corner to correct with the ↑ / ↓ / ← / → (Up/Down/Left/Right) buttons.

   2. Press the (Enter) button.
   The selected corner becomes a cursor display ( ).

   Cursor display example:

   Adjustable for all directions

   Only adjustable horizontally or downward

   3. Adjust the corner position with the ↑ / ↓ / ← / → (Up/Down/Left/Right) buttons.
   Press the (Enter) button to select the corner to adjust again.

If you select [Reset], the adjusted value is canceled and the image returns to the non-corrected state.

Hint

- Corner keystone correction is canceled temporarily while adjusting the color shift in [Installation] – [Panel Alignment].

Note

- There is a limit to how much distortion can be corrected with the [Corner Keystone] function.
- Images may deteriorate as the corner keystone function corrects an image electronically.
- When the projection is diagonal relative to the screen, the screen may not be focused uniformly.

Related Topic

- Menu Operation: Panel Alignment

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Image Flip

You can flip images horizontally or vertically depending on the installation method. This is used for ceiling mount installation or rear projection installation.

1. **Press the MENU button.**
2. **Select [Installation] - [Image Flip] - the desired setting.**

Settings

[HV]
Images are flipped horizontally and vertically.
[H]
Images are flipped horizontally.
[V]
Images are flipped vertically.
[Off]
Images are not flipped.

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Menu Operation: Lens Control (VPL-XW8100/VPL-XW6100)

This is used to prevent accidental changes to lens-related settings ([Lens Focus], [Lens Zoom], [Lens Shift]).

1. **Press the MENU button.**

2. **Select [Installation] - [Lens Control] - [On] or [Off].**

   When [Off] is selected, the lens cannot be adjusted.

Related Topic

- Adjusting the Position of the Projected Image (VPL-XW8100/VPL-XW6100)

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Menu Operation: Anamorphic Lens

You can select the setting according to the anamorphic lens conversion ratio.

1. **Press the MENU button.**
2. **Select [Installation] - [Anamorphic Lens] - the desired setting.**

Settings

[1.24x]
Select this when you use an anamorphic lens with a horizontal rate of 1.24×.
[1.32x]
Select this when you use an anamorphic lens with a horizontal rate of 1.32×.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Trigger Select

You can switch the output function of the TRIGGER terminal.

1. **Press the MENU button.**
2. **Select [Installation] - [Trigger Select] - the desired setting.**

Settings

[Off]
The function of the trigger terminal is turned off.
[Power]
While the projector is turned on, the 12 V signal is output from the TRIGGER terminal.
[V Stretch]
Working with the V Stretch setting, when [V Stretch] is selected for [Aspect], the 12 V signal is output from the TRIGGER terminal.

Related Topic

- Menu Operation: Aspect

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Menu Operation: IR Receiver

If the remote control does not work well, you can switch the remote control detectors on the front and rear of the projector.

1. **Press the MENU button.**
2. **Select [Installation] - [IR Receiver] - the desired setting.**

Settings

[Front & Rear]
Both the front and rear detectors are activated.
[Front]
Only the front detector is activated.
[Rear]
Only the rear detector is activated.

Related Topic

- Parts and Controls (Main Unit) (VPL-XW8100/VPL-XW6100)
- Parts and Controls (Main Unit) (VPL-XW5100)

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Panel Alignment

You can slightly adjust color shift on the text or image on the projection screen.

1. **Press the MENU button.**

2. **Select [Installation] - [Panel Alignment] - [Adjust] or [Preset].**

   The correction data has been preset for [Preset].

3. **When you select [Adjust], adjust color shift by selecting [Adjust Item] and [Adjust Color].**

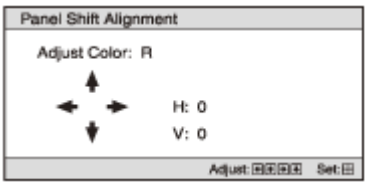
Settings

[Adjust Item]
You can select the adjustment method from the following.

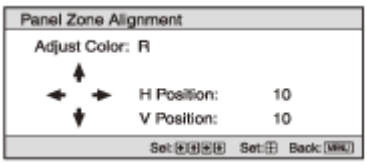
- [Shift]: It shifts the whole image to make adjustments.
- [Zone]: It specifies the desired range to make adjustments.

[Adjust Color]
It specifies the desired color to adjust color shift. Select [R] (Red) or [B] (Blue) to make adjustments based on [G] (Green).
[Pattern Color]
When [Adjust Color] is [R] (Red), select [R/G] (Red and Green) or [R/G/B] (White, all colors).
When [Adjust Color] is [B] (Blue), select [B/G] (Blue and Green) or [R/G/B] (White, all colors).
[Adjust]
You can make the shift adjustment and zone adjustment of the color selected in [Adjust Color], with the ← / → (Left/Right) and ↑ / ↓ (Up/Down) buttons.

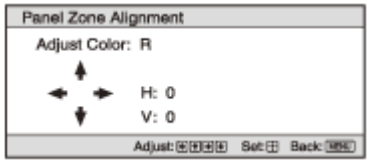
- When [Shift] is selected: Set the amount of adjustment for the horizontal direction (H) with the ← / → (Left/Right) button, and the vertical direction (V) with the ↑ / ↓ (Up/Down) button on the shift adjustment screen.



- When [Zone] is selected: Select the desired horizontal position (H Position) with the ← / → (Left/Right) button, and the desired vertical position (V Position) with the ↑ / ↓ (Up/Down) button. Then, press the ⊕ (Enter) button.



  Set the amount of adjustment for the horizontal direction (H) with the ← / → (Left/Right) button, and the vertical direction (V) with the ↑ / ↓ (Up/Down) button.
  You can select the desired position again by pressing the ⊕ (Enter) button.



[Reset]

The settings are returned to the default settings.

Note

- Depending on the adjustments made above, colors may become uneven or the resolution may change.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Menu Operation: Network Setting

You can configure Internet protocol settings.

1. **Press the MENU button.**
2. **Select [Installation] - [Network Setting] - the desired setting.**

Settings

[IPv4 Setting]

- [IP Address Setup]: You can select the IP address setting method.
  - [Auto(DHCP)]: Network settings are automatically assigned by the DHCP server functions such as the router.
  - [Manual]: Network settings are configured manually. Select the desired item with the ← / → (Left/Right) button, and enter the value with the ↑ / ↓ (Up/Down) button.
    When all items have been entered, select [Apply], then press the (Enter) button. The entered settings are applied.
- [IP Address]: The IP address of the projector is set.
- [Subnet Mask]: The subnet mask of the projector is set.
- [Default Gateway]: The default gateway of the projector is set.
- [MAC Address]: The MAC address of the projector is displayed. This cannot be changed.
- [Apply]: It enables the IP address that has been set manually.

[IPv6 Information]

The IPv6 address information is displayed. Set the IPv6 address from a web browser.

Related Topic

- Configuring the Network Settings of the Projector

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Viewing the Projector Information

You can check information such as model name, serial number, input signal type, and software version of the projector.

1. **Press the MENU button.**
2. **Select ⓘ [Information].**

Available items

[Model Name]
Displays the model name.
[Serial No.]
Displays the serial number.
Signal type
Displays the resolution of the input signal which you are selecting.
[Color Format]
Displays the color format of the input signal which you are selecting.
[Color Space]
Displays the color space of the input signal which you are selecting ([BT.601], [BT.709], or [BT.2020]).
[HDR Format]
When the input signal is compatible with HDR, [HDR10] or [HLG] is displayed according to the input signal.
[Software Version]
Displays the software version.
[Light Timer]
Displays how long the light has been turned on (total usage).
[Intake Air Temp.]
Displays the intake air temperature of the projector.

About the Preset Memory

This projector has the default image data (preset memory) to display an image appropriately according to the projectable signals and formats. When the signal corresponding to the preset memory is input, the projector automatically detects the input signal and recalls the data from the preset memory to project an appropriate image.
The input signal type is displayed in the ⓘ [Information] menu.

Note

- You cannot adjust or change these menu items.
- Depending on the input computer signal, some parts of the projection image may be hidden or displayed incorrectly.

Related Topic

- Preset Signals

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Uses for Network Features

Connecting a projector to a network allows you to do the following.
Use the projector with only necessary functions enabled.

- Check the current state of the projector using a web browser.
- Configure network settings for the projector.
- Control the projector with various types of network surveillance and control protocol (Advertisement, ADCP, PJ Talk, SNMP, AMX DDDP (Dynamic Device Discovery Protocol), Crestron Connected, Control4).
- Control the projector using a web browser.
- Control the projector remotely using a web browser.

Note

- When you connect the projector to a network, consult the network administrator. Use the projector in a network environment with security measures.
- When you use the projector by connecting to a network, access the Control window via a web browser to change the access limitation of the factory preset values. We recommend that you change your password periodically.
- When you have finished the configuration on a web browser, close the web browser to log out.
- The images used in the explanation are for reference only. Some images may differ depending on the model you are using. We appreciate your understanding.
- Supported web browsers
  Microsoft Edge (Chromium), Google Chrome, Safari
- Only English is available as a display language.
- If a web browser of your computer is set to “Use a proxy server” when you access the projector from your computer, click the check mark to set the web browser not to use a proxy server.
- SNMP, AMX DDDP, Crestron Connected, and Control4 are not compatible with IPv6.
- These network features are available while the projector is turned on.

Related Topic

- Operating the Control Window
- Notes on Security

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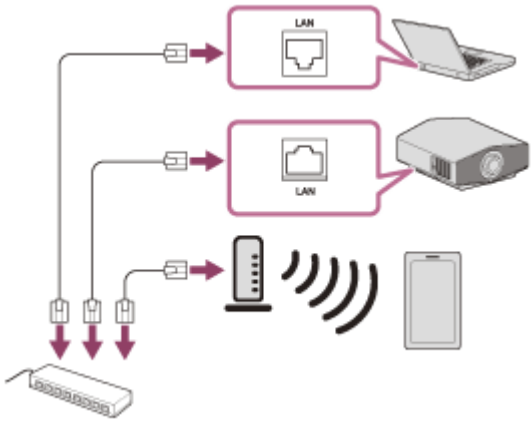
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Displaying the Control Window of a Projector with a Web Browser

Display the control window of the projector with a web browser and configure the network settings.

1. **Connect the projector and smartphone/computer to a hub or router using LAN cables (straight) (not supplied) or Wi-Fi.**



2. **Press the MENU button.**

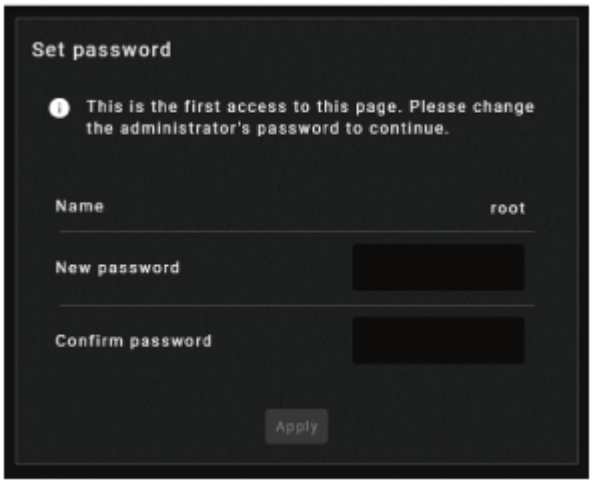
3. **Select [Setup], then set [Web Control UI] to [On].**

4. **Select [Installation], then configure the network settings under [Network Setting].**

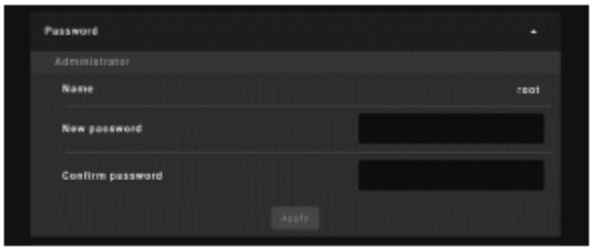
   For details on the setting method, see the "Menu Operation: Network Setting " page.

5. **Start a web browser, enter the following into the address field, then press the Enter key.**

   http://xxx.xxx.xxx.xxx
   (xxx.xxx.xxx.xxx: IP address of the projector)
   When connecting by the IPv6 address
   http://[xxxx:xxxx:- xxxx]
   The IP address of the projector can be confirmed from [Network Setting] in the [Installation] menu.
   The authentication window is displayed in the browser.
   When you access for the first time, enter “root” as the user name and “Projector” as the password in the authentication window.
   When you log in for the first time, the window that prompts you to change the password is displayed. Follow the instructions on the screen to change the password.



You can change the password from [Password] in the [Advanced Settings] page.



When you change the password, enter a new password.
The password should be 8 to 16 characters that includes both alphabet and numeric characters. Alphabets are case-sensitive.
The initial password “Projector” cannot be set as the new password.

Hint

- Once the network settings have been configured, the control window will be displayed only by performing Step 5 from the next time.
- Register the URL entered in step 5 to your favorites (bookmarks) of the browser so that you can access it at any time.
- Make a note of the password you set and do not forget it.

Note

- If you forget your password, contact qualified Sony personnel.
  The password will be reconfigured with your permission.

Related Topic

- Menu Operation: Web Control UI
- Menu Operation: Network Setting

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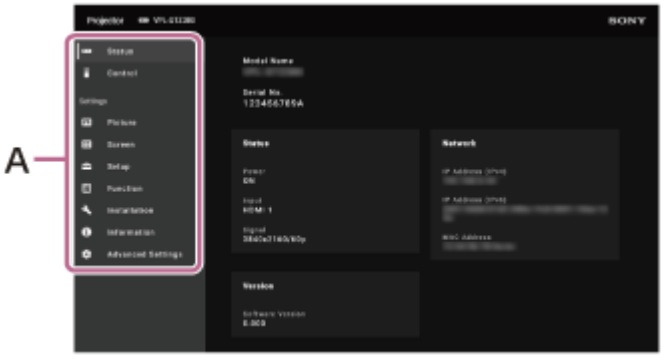
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Operating the Control Window

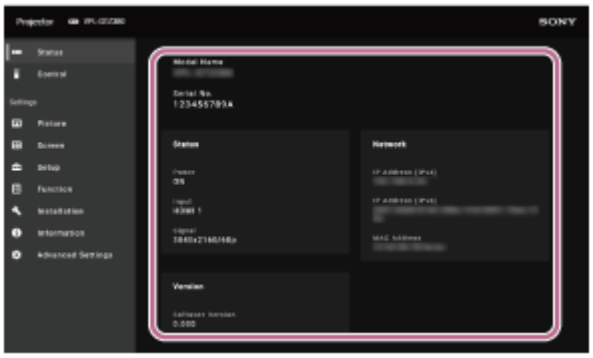
Switching Pages

Click the page switching button (A) to display the page you wish to configure.



Checking the Projector State

Check the current state of the projector in the [Status] page by clicking the [Status] page switching button.



Operating the Projector

You can operate the projector from the [Control] page by clicking the [Control] page switching button.

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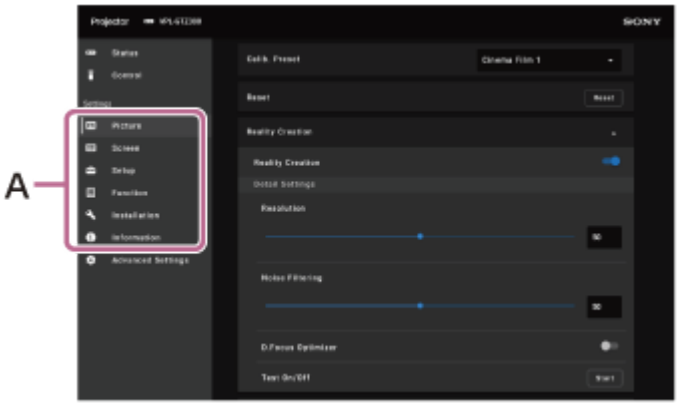
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Performing Menu Operations from Web Pages

You can make various adjustments and settings for the projector from the items in [Settings].

Click the page switching button (A) to display the page you wish to configure.



- [Picture]: adjusts the image quality.
- [Screen]: sets the picture size, aspect mode, etc.
- [Setup]: changes the factory preset settings, etc.
- [Function]: changes the settings of the various functions of the unit.
- [Installation]: changes the installation settings.
- [Information]: displays the information such as the model name, serial number, signal type and signal format of the image when projected, software version, and light usage time.

For details on each setting, see “Adjustment and Setting Menus.”

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

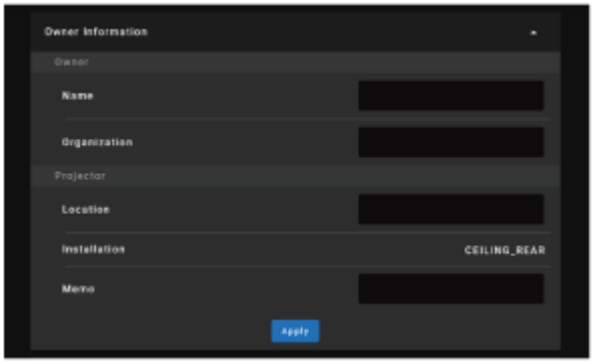
Entering the Owner Information

You can set the owner information on the [Owner Information] page in [Advanced Settings].

Note

- The entered value will not be applied until the [Apply] button is clicked.

1. **Select [Advanced Settings] - [Owner Information] and display the [Owner Information] page.**



2. **Set each item and click the [Apply] button.**

Settings

[Name]
Enter the owner name.
[Organization]
Enter the organization name.
[Location]
Enter the installation location.
[Installation]
The information of the installation location is displayed.
[Memo]
Enter any information as needed.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

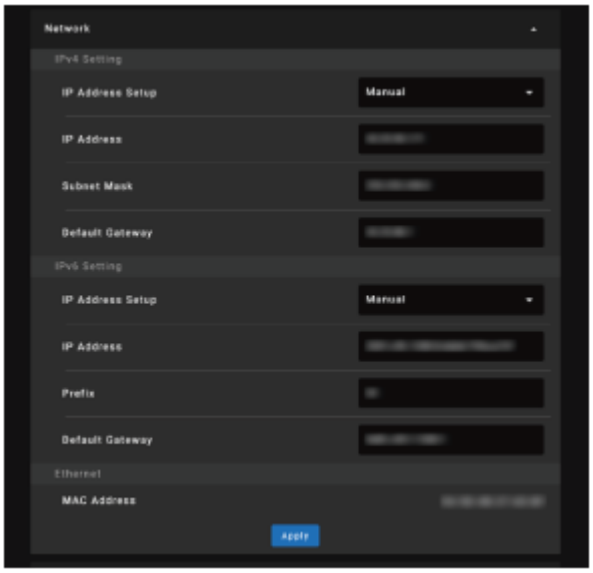
Configuring the Network Settings of the Projector

You can configure the network settings on the [Network] page in [Advanced Settings].

Note

- The entered value will not be applied until the [Apply] button is clicked.

1. **Select [Advanced Settings] - [Network] and display the [Network] page.**



2. **Configure the [IPv4 Setting] and [IPv6 Setting] items.**

3. **Check the items in [Ethernet].**

   The MAC address of the projector is displayed at [MAC Address].

4. **Click the [Apply] button.**

Settings

[IPv4 Setting]

- [IP Address Setup]: You can select the IP address setting method.
  - [Auto(DHCP)]: Network settings are automatically assigned by the DHCP server functions such as the router.
  - [Manual]: Network settings are configured manually.
- [IP Address]: The IP address of the projector is set.
- [Subnet Mask]: The subnet mask of the projector is set.
- [Default Gateway]: The default gateway of the projector is set.

[IPV6 Setting]

- [IP Address Setup]: You can select the IP address setting method.
  - [Auto]: Network settings are automatically assigned.
  - [Manual]: Network settings are configured manually.

- [IP Address]: The IP address of the projector is set.
- [Prefix]: The prefix length (bit) is set.
- [Default Gateway]: The default gateway of the projector is set.

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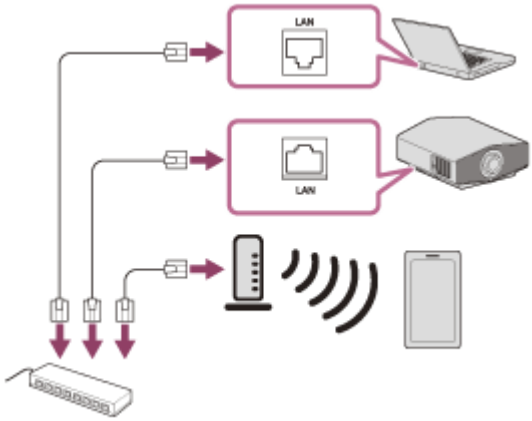
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Accessibility Features

This unit has functions that allow you to perform menu operations, turn the unit on/off and change the projector's input source via the Internet using a web browser on your smartphone/computer.
You can also use the text-to-speech function on your smartphone/computer to have documents read out loud.

1. **Connect the projector and smartphone/computer to a hub or router using LAN cables (straight) (not supplied) or Wi-Fi.**



2. **Press the MENU button.**

3. **Select [Setup], then set [Web Control UI] to [On].**

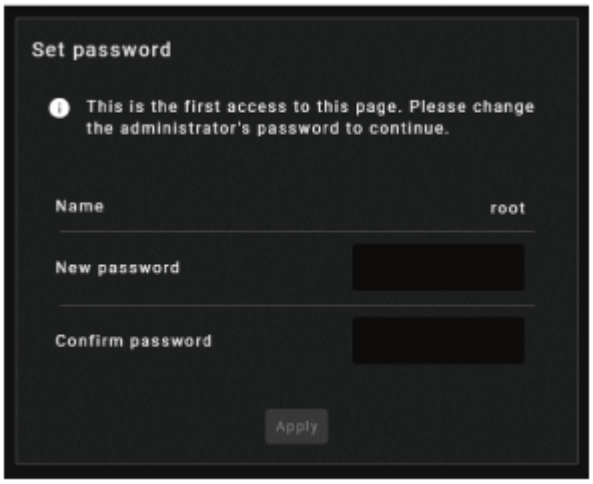
4. **Select [Setup], then set [Network Management] to [On].**

5. **Select [Installation], then configure the network settings under [Network Setting].**

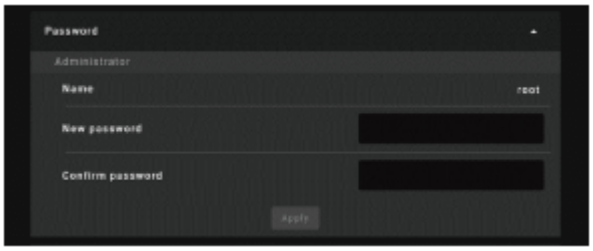
   For details on the setting method, see the "Menu Operation: Network Setting " page.

6. **Start a web browser, enter the following into the address field, then press the Enter key.**

   http://xxx.xxx.xxx.xxx
   (xxx.xxx.xxx.xxx: IP address of the projector)
   When connecting by the IPv6 address
   http://[xxxx:xxxx:- xxxx]
   The IP address of the projector can be confirmed from [Network Setting] in the [Installation] menu.
   The authentication window is displayed in the browser.
   When you access for the first time, enter "root" as the user name and "Projector" as the password in the authentication window.
   When you log in for the first time, the window that prompts you to change the password is displayed. Follow the instructions on the screen to change the password.



You can change the password from [Password] in the [Advanced Settings] page.



When you change the password, enter a new password.
The password should be 8 to 16 characters that includes both alphabet and numeric characters. Alphabets are case-sensitive.
The initial password “Projector” cannot be set as the new password.

7 **Enable the accessibility features on your smartphone/computer.**

8 **Operate the projector from web pages.**

Hint

- Once the settings have been configured, it can be used only by performing from Step 6 from the next time.

Note

- Supported web browsers
  Microsoft Edge (Chromium), Google Chrome, Safari
- Recommended text-to-speech software
  - Windows: NVDA
  - Android: Talkback
  - iOS: VoiceOver
- For details on how to use text-to-speech software, refer to an instruction manual or website of each text-to-speech software.
- Only English is available as a display language.
- If you forget your password, contact qualified Sony personnel.
  The password will be reconfigured with your permission.

Related Topic

- Menu Operation: Network Management
- Menu Operation: Web Control UI
- Menu Operation: Network Setting
- Displaying the Control Window of a Projector with a Web Browser
- Operating the Control Window
- Performing Menu Operations from Web Pages

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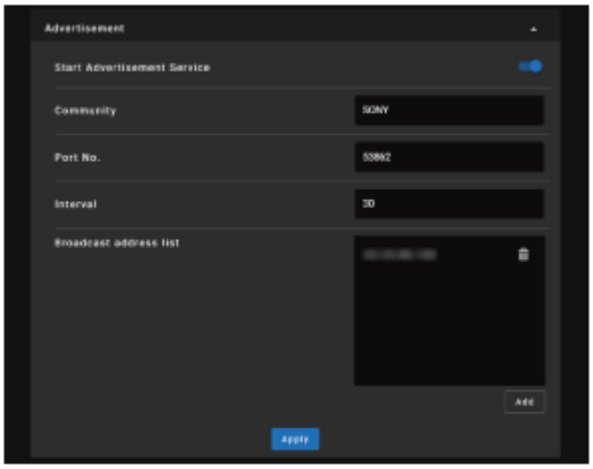
Setting Advertisement

You can change the control protocol settings of Advertisement on the [Advertisement] page in [Advanced Settings].

Note

- The entered value will not be applied until the [Apply] button is clicked.

1. **Select [Advanced Settings] - [Advertisement] and display the [Advertisement] page.**



2. **Set each item and click the [Apply] button.**

Settings

[Start Advertisement Service]
Turn Advertisement on or off. The settings related to Advertisement are applied only if it is on.
[Community]
Enter the community names for Advertisement and PJ Talk. If changed, the PJ Talk community name changes as well. Only 4 alphanumeric characters can be entered. The factory default setting is “SONY.” To avoid unauthorized access to the projector from another computer, we recommend changing the community name from the one used in the factory setting.
[Port No.]
Enter the Advertisement transmission port. The factory default setting is “53862.”
[Interval]
Enter the Advertisement transmission interval (seconds). The factory default setting is “30.”
[Broadcast address list]
Enter the Advertisement data transmission recipient. If nothing is entered, it will be broadcast on the same subnet.

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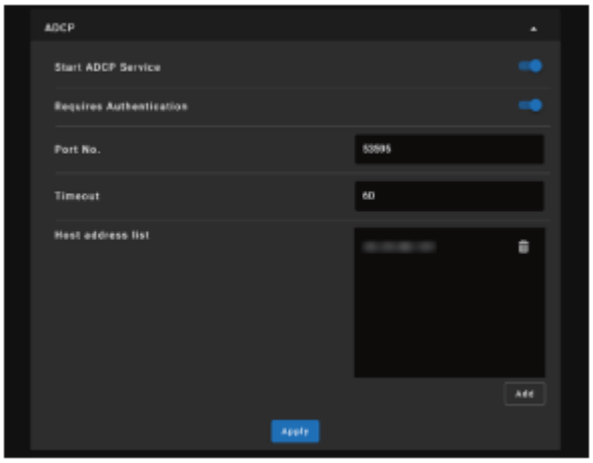
Setting ADCP

You can change the control protocol settings of ADCP on the [ADCP] page in [Advanced Settings].

Note

- The entered value will not be applied until the [Apply] button is clicked.

1. **Select [Advanced Settings] - [ADCP] and display the [ADCP] page.**



2. **Set each item and click the [Apply] button.**

Setting items

[Start ADCP Service]
Turn ADCP on or off. The settings related to ADCP are applied only if it is on.
[Requires Authentication]
Turn the ADCP authentication function on or off. The web page administrator password is set for the password.
[Port No.]
Enter the ADCP server port. The factory default setting is “53595.”
[Timeout]
Enter the time (seconds) until the connection is cut when ADCP communication is interrupted. The factory default setting is “60.”
[Host address list]
Enter the IP address that is allowed to be received by the ADCP server. If nothing is entered, commands can be received from any IP address. Once an IP address has been entered, access will only be allowed from the entered IP address. For security purposes, we recommend entering an IP address to restrict access.

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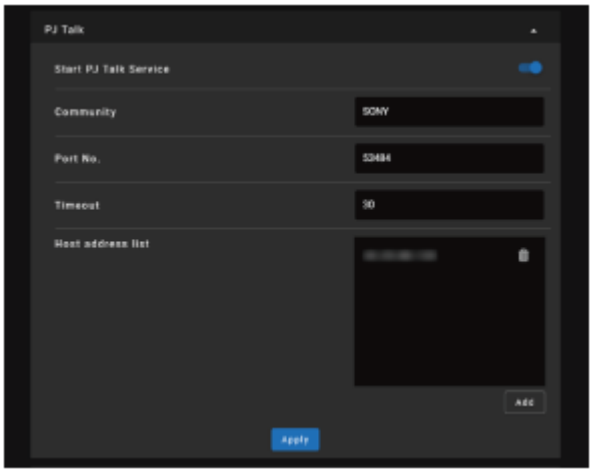
Setting PJ Talk

You can change the control protocol settings of PJ Talk on the [PJ Talk] page in [Advanced Settings].

Note

- The entered value will not be applied until the [Apply] button is clicked.

1. **Select [Advanced Settings] - [PJ Talk] and display the [PJ Talk] page.**



2. **Set each item and click the [Apply] button.**

Setting items

[Start PJ Talk Service]
Turn PJ Talk on or off. The settings related to PJ Talk are applied only if it is on.
[Community]
Enter the community names for Advertisement and PJ Talk. If changed, the Advertisement community name changes as well. Only 4 alphanumeric characters can be entered. The factory default setting is “SONY.” To avoid unauthorized access to the projector from another computer, we recommend changing the community name from the one used in the factory setting.
[Port No.]
Enter the PJ Talk server port. The factory default setting is “53484.”
[Timeout]
Enter the time (seconds) until the connection is cut when PJ Talk communication is interrupted. The factory default setting is “30.”
[Host address list]
Enter the IP address that is allowed to be received by the PJ Talk server. If nothing is entered, commands can be received from any IP address. Once an IP address has been entered, access will only be allowed from the entered IP address. For security purposes, we recommend entering an IP address to restrict access.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

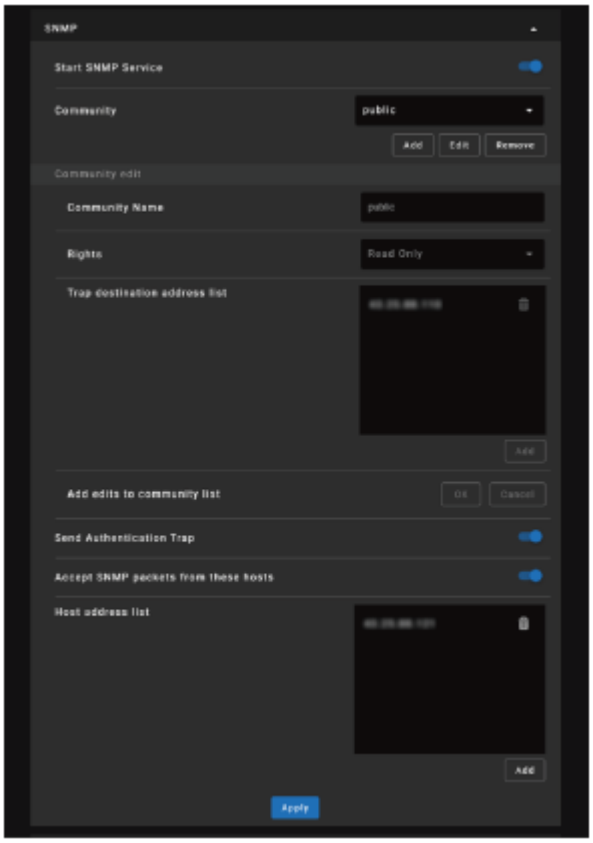
Setting SNMP

You can change the control protocol settings of SNMP on the [SNMP] page in [Advanced Settings].

Note

- The entered value will not be applied until the [Apply] button is clicked.

1. **Select [Advanced Settings] - [SNMP] and display the [SNMP] page.**



2. **Set each item and click the [Apply] button.**

Setting items

[Start SNMP Service]
Turn the SNMP function on or off. The settings related to SNMP are applied only if it is on.
[Community]
Select the name of the SNMP community to which you wish to register your unit.

- [Add]: Add a new community.
- [Edit]: Edit the community currently selected.
- [Remove]: Delete the community currently selected.

[Community Edit]
Select the Add button or the Edit button to add or edit the community in Community Edit. The factory default setting is “public.”

- [Community Name]: Enter the community name for SNMP.
- [Rights]: Set the access rights to the management information base (MIB).
- [Trap destination address list]: Set the destination address for traps. Select the Add button to add the IP address to Trap destinations.

After editing, select the OK button in Add edits to community list to add these contents to the community list.

[Send Authentication Trap]

Set to on to send a trap message when an authentication failure is detected.

[Accept SNMP packets from these hosts]

Set to on to restrict the reception of SNMP packets only from the hosts registered in the Host address list.

[Host address list]

Set the IP address of the host that receives SNMP packets. Select the Add button to add the IP address to Host address list. For security purposes, we recommend entering an IP address to restrict access.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

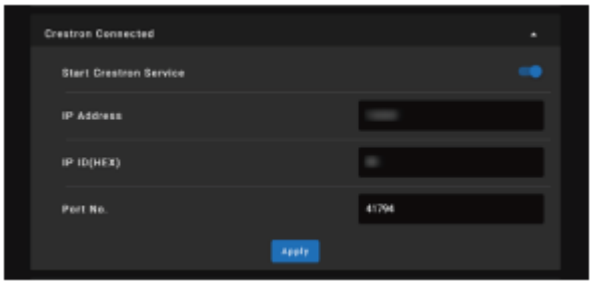
Setting Crestron Connected

You can change the control protocol settings of Crestron Connected on the [Crestron Connected] page in [Advanced Settings].

Note

- The entered value will not be applied until the [Apply] button is clicked.

1. **Select [Advanced Settings] - [Crestron Connected] and display the [Crestron Connected] page.**



2. **Set each item and click the [Apply] button.**

Setting items

[Start Crestron Service]
Turn Crestron Service on or off. For details, refer to the Crestron Corporation product catalog and so on.
[IP Address]
Enter the IP address of the Crestron system server.
[IP ID(HEX)]
Enter the IP ID(HEX) of the CIP protocol.
[Port No.]
Enter the CIP protocol server port number. The factory default setting is “41794.”

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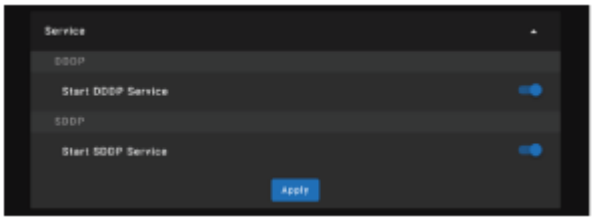
Setting Service

You can set the system server functions on the [Service] page in [Advanced Settings].

Note

- The entered value will not be applied until the [Apply] button is clicked.

1. **Select [Advanced Settings] - [Service] and display the [Service] page.**



2. **Set each item and click the [Apply] button.**

Setting items

[Start DDDP Service]
Turn the DDDP function on or off. For details, refer to the AMX Corporation DDDP protocol specifications.
[Start SDDP Service]
Turn the SDDP function on or off.

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Resetting the Network Settings

Return all items that can be configured on the [Advanced Settings] page to their factory settings.

1. **Select [Advanced Settings] - [Reset] and display the [Reset] page.**

2. **Click the [Reset] button.**

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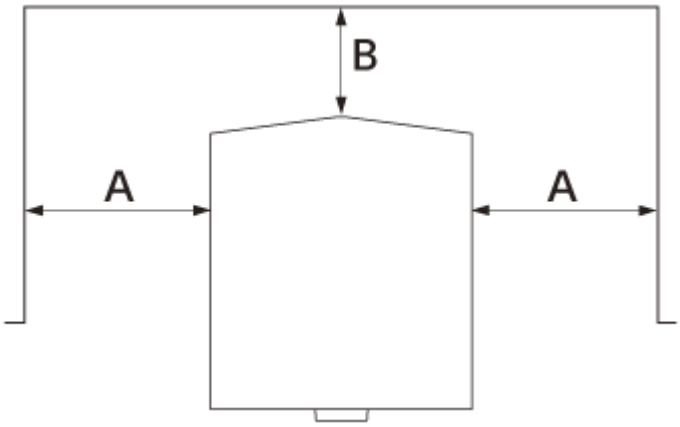
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

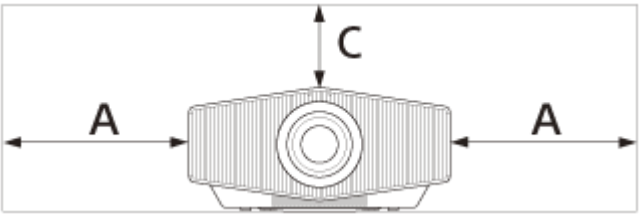
Unsuitable Installation

Do not place the unit in the following situations, which may cause malfunction or damage to the unit.

Near walls

To maintain the performance and reliability of the unit, leave space between walls and the unit as illustrated.

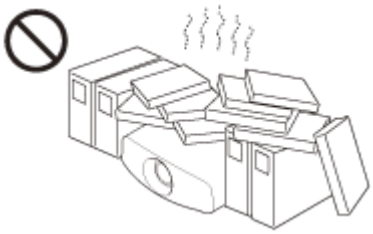




A: 30 cm (11 7/8 inches)
B: 5 cm (2 inches)
C: 15 cm (6 inches)
Note that the wall on the ventilation holes side may become hot.
Air from air conditioners or the ventilation holes of this unit or other devices, may cause oscillation on the screen. Be sure not to install this unit in the area where the air from air conditioners or the ventilation holes of these devices reach to the front side of this unit.

Poorly ventilated location

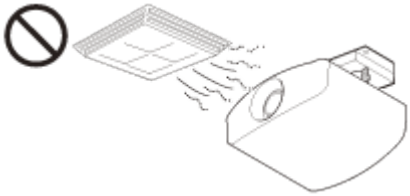
Leave space of more than 30 cm (11 7/8 inches) around the unit.



Hot and humid

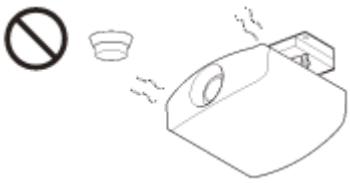
Locations subject to direct cool or warm air from an air-conditioner

Installing the unit in such a location may cause a malfunction of the unit due to moisture condensation or rise in temperature.



Near a heat or smoke sensor

Malfunction of the sensor may occur.



Very dusty and extremely smoky locations

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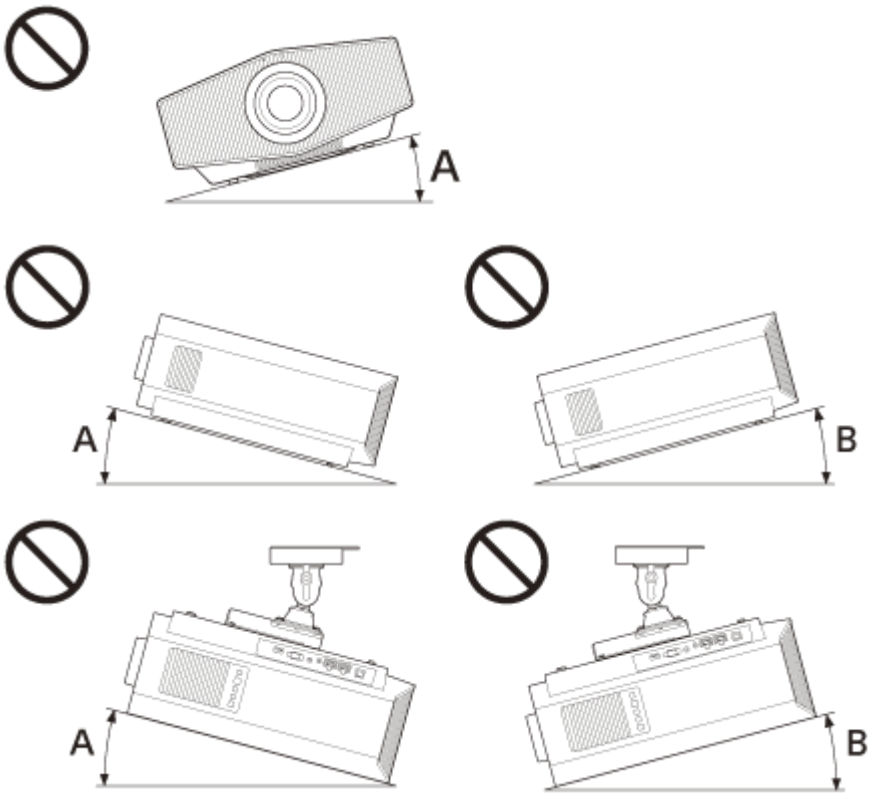
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Unsuitable Conditions

Do not do any of the following while using the unit.

Tilting front/rear and left/right

Avoid using the unit tilted at an angle, as shown in the following illustrations.
Do not install the unit anywhere other than on a level surface or on the ceiling. Installing the unit in such a location may result in a malfunction.



A: 15° or more
B: 10° or more

When installing the unit at high altitudes

When using the unit in a location at an altitude of 1 000 m (approx. 3 280 feet) or higher, appropriately set [High Altitude Mode] in the [Setup] menu. Failing to do so could have adverse effects, such as reducing the reliability of certain components.

Related Topic

- Menu Operation: High Altitude Mode

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On Inspection of Light Source Related Parts

Since the unit uses a laser, when adjusting or inspecting the light source related parts, particular attention and a safe environment are necessary. Be sure to consult with qualified Sony personnel (charged).

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Note on leaving unused for long periods

If the unit is not used for a long period of time, malfunction or a drop in performance can occur. To avoid this, periodically turn on the power and operate the unit.

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On LCD Projector

The LCD projector is manufactured using high-precision technology. You may, however, see tiny black points and/or bright points (red, blue, or green) that continuously appear on the LCD projector. This is a normal result of the manufacturing process and does not indicate a malfunction. Also, when you use multiple LCD projectors to project onto a screen, even if they are of the same model, the color reproduction among projectors may vary, since color balance may be set differently from one projector to the next.

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On condensation

If the room temperature where the projector is installed changes rapidly, or if the projector is moved suddenly from a cold to a warm place, condensation in the projector may occur. As the condensation may cause malfunction, be careful in adjusting temperature settings of the air conditioner. If condensation occurs, leave the projector turned on for about two hours before use.

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Notes on Security

- SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND RESULTING FROM A FAILURE TO IMPLEMENT PROPER SECURITY MEASURES ON TRANSMISSION DEVICES, UNAVOIDABLE DATA LEAKS RESULTING FROM TRANSMISSION SPECIFICATIONS, OR SECURITY PROBLEMS OF ANY KIND.
- Depending on the operating environment, unauthorized third parties on the network may be able to access the unit. When connecting the unit to the network, be sure to confirm that the network is protected securely.
- From a safety standpoint, when using the unit connected with the network, it is strongly recommended to access the Control window via a Web browser and change the access limitation settings from the factory preset values.
  Also, it is recommended that you set a password with a sufficiently long character string that is hard to guess by others, and that you store it safely.
- Do not browse any other website in the Web browser while making settings or after making settings. Since the login status remains in the Web browser, close the Web browser when you complete the settings to prevent unauthorized third parties from using the unit or harmful programs from running.
- When connecting this product to a network, connect via a system that provides a protection function, such as a router or firewall. If connected without such protection, security issues may occur.

Related Topic

- Operating the Control Window

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Do not place this product close to medical devices

This product (including accessories) has magnet(s) which may interfere with pacemakers, programmable shunt valves for hydrocephalus treatment, or other medical devices. Do not place this product close to persons who use such medical devices. Consult your doctor before using this product if you use any such medical device.

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Disclaimer

SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND RESULTING FROM THE USE OF THIS UNIT FOR PURPOSES OTHER THAN GENERAL HOME USE, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Specifications

VPL-XW8100/VPL-XW6100

Projection System

3 LCD system

Display device

Size of effective display area: SXRD 0.61-inch (15.4 mm) × 3
Number of pixels: 3840 × 2160 × 3 pixels

Projection lens

2.1 times zoom lens (motorized), F2.5 to F3.24

Projection image size

60-inch to 300-inch (1 524 mm to 7 620 mm)

Light source

Laser diode

Inputs/Outputs

HDMI terminal (HDCP 2.3): 2 system
REMOTE terminal: RS-232C, D-Sub 9-pin (Male)
LAN terminal: RJ45, 10BASE-T/100BASE-TX
USB terminal: Type A, DC 5 V, Max. 500 mA
IR IN terminal: 1 system, mini jack
TRIGGER terminal: 1 system, mini jack, DC 12 V, Max. 100 mA
This unit is HDCP-compliant.

Outside dimensions (w/h/d)

460 mm × 210 mm × 517 mm (18 1/8 inches × 8 9/32 inches × 20 11/32 inches)

Mass

Approx. 14 kg (31 lb)

Power requirements

VPL-XW8100
AC 100 V to 240 V, 4.4 A to 2.0 A, 50/60 Hz
VPL-XW6100
AC 100 V to 240 V, 4.0 A to 1.8 A, 50/60 Hz

Power consumption

VPL-XW8100
AC 100 V to 240 V: 420 W
VPL-XW6100
AC 100 V to 240 V: 380 W

Standby power consumption (Standby mode)

0.3 W (When [Remote Start] is set to [Off])

Standby power consumption (Networked standby mode)

0.5 W (LAN) (When [Remote Start] is set to [On])
When the LAN terminal is not connected, the unit goes into low power consumption mode (0.4 W).

Standby mode / Networked standby mode activated

After about 10 minutes

Operating temperature (Operating humidity)

5°C to 35°C (41°F to 95°F) (20% to 80% (No condensation))

Storage temperature (Storage humidity)

–10°C to +60°C (14°F to 140°F) (20% to 80% (No condensation))

Supplied accessories

Remote control (RM-PJ24) (1)
Size AA batteries (2)
Lens cap (1)
AC power cord (1)
Setup Guide (1)

VPL-XW5100

Projection System

3 LCD system

Display device

Size of effective display area: SXRD 0.61-inch (15.4 mm) × 3
Number of pixels: 3840 × 2160 × 3 pixels

Projection lens

1.6 times zoom lens (manual), F2.50 to F2.99

Projection image size

60-inch to 300-inch (1 524 mm to 7 620 mm)

Light source

Laser diode

Inputs/Outputs

HDMI terminal (HDCP 2.3): 2 system
REMOTE terminal: RS-232C, D-sub 9-pin (male)
LAN terminal: RJ45, 10BASE-T/100BASE-TX
USB terminal: Type A, DC 5 V, Max. 500 mA
IR IN terminal: 1 system, mini jack
TRIGGER terminal: 1 system, mini jack, DC 12 V, Max. 100 mA

Outside dimensions (w/h/d)

460 mm × 200 mm × 472 mm (18 1/8 inches × 7 7/8 inches × 18 19/32 inches)

Mass

Approx. 13 kg (28 lb)

Power requirements

AC 100 V to 240 V, 2.9 A to 1.4 A, 50/60 Hz

Power consumption

AC 100 V to 240 V: 295 W

Standby power consumption (Standby mode)

0.3 W (when [Remote Start] is set to [Off])

Standby power consumption (Networked standby mode)

0.5 W (LAN) (when [Remote Start] is set to [On])
When a LAN terminal is not connected, it becomes a low power consumption mode (0.4 W).

Standby mode / Networked standby mode activated

After about 10 minutes

Operating temperature (Operating humidity)

5°C to 35°C (41°F to 95°F) (20% to 80% (no condensation))

Storage temperature (Storage humidity)

–10°C to +60°C (14°F to 140°F) (20% to 80% (no condensation))

Supplied accessories

Remote control (RM-PJ28) (1)
Size AA batteries (2)
Lens cap (1)
AC power cord (1)
Setup Guide (1)
Design, specifications, and optional accessories are subject to change without notice.

Note

- The values for mass and dimensions are approximates.
- Not all optional accessories are available in all countries and areas. Please check with your local Sony Authorized Dealer.
- Information on accessories in this manual is current as of September 2024.

Related Topic

- Preset Signals

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Preset Signals

This table shows the signals and formats which you can project using this projector.
When a signal other than the preset signals shown below is input, an image may not be displayed properly.

Preset memory number	Preset signals	Resolution	fH (kHz)	fV (Hz)	Sync
5	480/60p	480/60p (Progressive NTSC) (720 × 480p)	31.470	60.000	–
6	576/50p	576/50p (Progressive PAL) (720 × 576p)	31.250	50.000	–
7	1080/60i	1035/60i (1920 × 1035i) 1080/60i (1920 × 1080i)	33.750	60.000	–
8	1080/50i	1080/50i (1920 × 1080i)	28.130	50.000	–
10	720/60p	720/60p (1280 × 720p)	45.000	60.000	–
11	720/50p	720/50p (1280 × 720p)	37.500	50.000	–
12	1080/60p	1080/60p (1920 × 1080p)	67.500	60.000	–
13	1080/50p	1080/50p (1920 × 1080p)	56.260	50.000	–
14	1080/24p	1080/24p (1920 × 1080p)	26.973	23.976	–
26	640 × 480	VGA	31.469	59.940	H-Neg, V-Neg
32	800 × 600	SVGA	37.879	60.317	H-Pos, V-Pos
37	1024 × 768	XGA	48.363	60.004	H-Neg, V-Neg
45	1280 × 960	QVGA	60.000	60.000	H-Pos, V-Pos
47	1280 × 1024	SXGA	63.974	60.013	H-Pos, V-Pos
50	1400 × 1050	SXGA +	64.744	59.948	H-Pos, V-Neg
55	1280 × 768	WXGA	47.776	59.870	H-Neg, V-Pos
73	1920 × 1080/120p	1920 × 1080/120p (1920 × 1080)	135.000	120.000	–
74	3840 × 2160/60p	3840 × 2160/60p (3840 × 2160)	135.000	60.000	–

Preset memory number	Preset signals	Resolution	fH (kHz)	fV (Hz)	Sync
75	3840 × 2160/50p	3840 × 2160/50p (3840 × 2160)	112.500	50.000	–
76	4096 × 2160/60p	4096 × 2160/60p (4096 × 2160)	135.000	60.000	–
77	4096 × 2160/50p	4096 × 2160/50p (4096 × 2160)	112.500	50.000	–
78	4096 × 2160/30p	4096 × 2160/30p (4096 × 2160)	67.500	30.000	–
79	4096 × 2160/25p	4096 × 2160/25p (4096 × 2160)	56.250	25.000	–
93	3840 × 2160/24p	3840 × 2160/24p (3840 × 2160)	53.946	23.976	–
94	3840 × 2160/25p	3840 × 2160/25p (3840 × 2160)	56.250	25.000	–
95	3840 × 2160/30p	3840 × 2160/30p (3840 × 2160)	67.433	29.970	–
96	4096 × 2160/24p	4096 × 2160/24p (4096 × 2160)	54.000	24.000	–
99	4096 × 2160/120p	4096 × 2160/120p (4096 × 2160)	270.000	120.000	–
100	3840 × 2160/120p	3840 × 2160/120p (3840 × 2160)	270.000	120.000	–
121	4096 × 2160/100p	4096 × 2160/100p (4096 × 2160)	225.000	100.000	–
122	3840 × 2160/100p	3840 × 2160/100p (3840 × 2160)	225.000	100.000	–
123	4096 × 2160/48p	4096 × 2160/48p (4096 × 2160)	108.000	47.952	–
124	3840 × 2160/48p	3840 × 2160/48p (3840 × 2160)	108.000	47.952	–
168	1920 × 1080/48p	1920 × 1080/48p (1920 × 1080)	54.000	47.952	–
169	1920 × 1080/100p	1920 × 1080/100p (1920 × 1080)	112.500	100.000	–

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Input Signals and Setting/Adjustment Items

Depending on the input signal type, some menu items cannot be set/adjusted. For details, refer to the following table. The items that cannot be set/adjusted are not displayed in the menu.

[Screen] menu

Item	Preset memory number: 5 to 8, 10 to 14, 73 to 79, 93 to 96, 99, 100, 121 to 124, 168, 169	Preset memory number: 26, 32, 37, 45, 47, 50, 55
Aspect	Settable/Adjustable	Not settable/Not adjustable

Related Topic

- Menu Operation: Aspect
- Preset Signals

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Aspect Mode

Depending on the input signals, selectable items vary for [Aspect] in the [Screen] menu. For details, refer to the following table. Items that cannot be selected are not displayed in the menu.

2D

Preset memory number	76 to 79, 96, 99, 121, 123	7, 8, 10, 11, 12 to 14, 73, 74, 75, 93 to 95, 100, 122, 124, 168, 169	5, 6	26, 32, 37, 45, 47, 50, 55
Full 1	✔	–	–	–
Full 2	✔	–	–	–
Normal	✔	✔	✔	✔ *1
Aspect Ratio Scaling *2	✔	✔	✔	–
V Stretch	✔	✔	✔	–
Squeeze	✔	✔	✔	–
Stretch	–	–	✔	–

*1 Not displayed in the menu as fixed at Normal.
*2 VPL-XW5100 only

Related Topic

- Menu Operation: Aspect

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Storage Conditions of Setting/Adjustment Items

Each setting/adjustment item is individually stored according to the storage conditions in the following table. For details, refer to the following table.

[Picture] Menu

Item	Storage conditions
Calib. Preset	For each input terminal
Reset	For each input terminal, HDR/SDR*1, and Calib. Preset
Reality Creation	For each input terminal, HDR/SDR*1, and Calib. Preset
Laser Light Setting	For each input terminal, HDR/SDR*1, and Calib. Preset
Dynamic HDR Enhancer	For each input terminal, HDR/SDR*1, and Calib. Preset
HDR Tone Mapping	For each input terminal and Calib.Preset
Motionflow	For each input terminal, HDR/SDR*1, and Calib. Preset
Contrast	For each input terminal, HDR/SDR*1, and Calib. Preset
Brightness	For each input terminal, HDR/SDR*1, and Calib. Preset
Color	For each input terminal, HDR/SDR*1, and Calib. Preset
Hue	For each input terminal, HDR/SDR*1, and Calib. Preset
Color Temp.: D93 to D55, Custom 1 to Custom 5	For each input terminal, HDR/SDR*1, and Calib. Preset
Color Temp.: Gain R	For D93 to D55, each Custom
Color Temp.: Gain G	For D93 to D55, each Custom
Color Temp.: Gain B	For D93 to D55, each Custom
Color Temp.: Bias R	For D93 to D55, each Custom
Color Temp.: Bias G	For D93 to D55, each Custom
Color Temp.: Bias B	For D93 to D55, each Custom
Sharpness	For each input terminal, HDR/SDR*1, and Calib. Preset
NR	For each input terminal, HDR/SDR*1, and Calib. Preset
Smooth Gradation	For each input terminal, HDR/SDR*1, and Calib. Preset
Gamma Correction	For each input terminal, HDR/SDR*1, and Calib. Preset

Item	Storage conditions
Color Correction	For each input terminal, HDR/SDR[*1], and Calib. Preset
Live Color Enhancer [*2]	For each input terminal, HDR/SDR[*1], and Calib. Preset
HDR	For each input terminal and Calib. Preset
Color Space	For each input terminal, HDR/SDR[*1], and Calib. Preset
Color Space: Cyan - Red:	For each Color Space
Color Space: Magenta - Green:	For each Color Space
Input Lag Reduction	For each input terminal, HDR/SDR[*1], and Calib. Preset

*1 HDR/SDR

- HDR: When the HDR signal is input while [HDR] is set to [Auto], or when [HDR] is set to [HDR10], [HDR Reference], or [HLG]
- SDR: Settings other than the above

*2 VPL-XW8100 only

[Screen] Menu (VPL-XW8100/VPL-XW6100)

Item	Storage conditions
Aspect	For each Picture Position
Blanking	For each Picture Position

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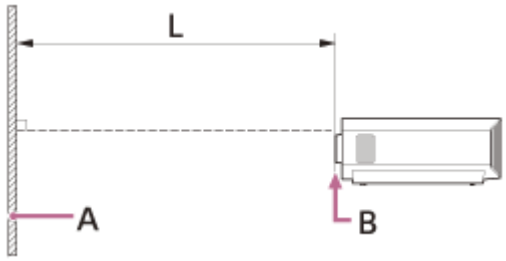
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Projection Distance and Lens Shift Range

Projection Distance

The projection distance (L) refers to the distance between the front of the lens (B shown in the figure) and the projected surface (A shown in the figure).

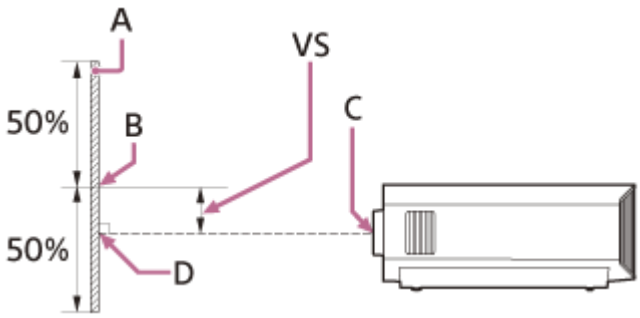


L: Projection distance

Lens Shift Range

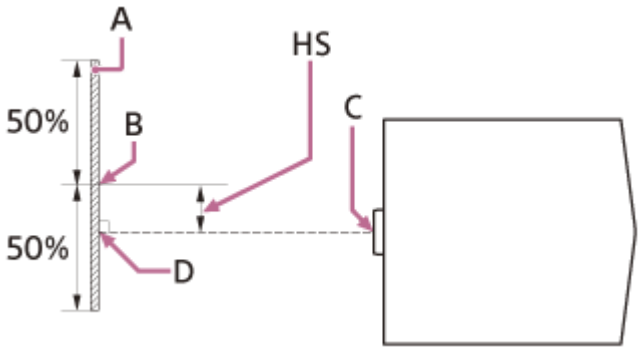
The lens shift range represents the distance in percent (%) by which the lens can be shifted from the center of the projected image (B shown in the figures). The lens shift range is regarded as 0% when the point D shown in the figures (the point where a line drawn from the center of the lens (C shown in the figures) and the projected surface (A shown in the figures) cross at right angles) is aligned with the center of the projected image (B), and full width or full height of the projected image is regarded as 100%.

Side view



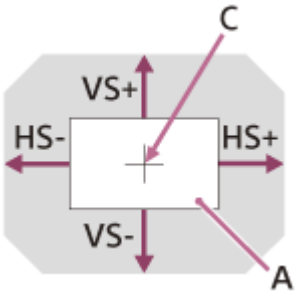
VS: Vertical lens shift range

Top view



HS: Horizontal lens shift range

Lens shift range



A: Projected surface
C: Center of the lens
Shaded region: Lens shift range
VS+: Vertical lens shift range (up) [%]
VS−: Vertical lens shift range (down) [%]
HS+: Horizontal lens shift range (right) [%]
HS–: Horizontal lens shift range (left) [%]

Related Topic

- When Projecting in 1.78:1 (16:9) Format
- When Projecting in 2.35:1 Format

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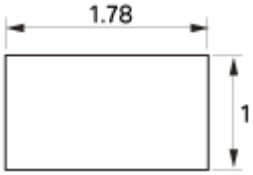
When Projecting in 1.78:1 (16:9) Format



Projection Distance

VPL-XW8100/VPL-XW6100

Projection image size Diagonal	Projection image size Width × Height	Projection distance L
60" (1.52 m)	1.33 m × 0.75 m (52 inches × 29 inches)	1.78 m – 3.75 m (70 inches – 147 inches)
80" (2.03 m)	1.77 m × 1.00 m (70 inches × 39 inches)	2.38 m – 5.02 m (94 inches – 197 inches)
100" (2.54 m)	2.21 m × 1.25 m (87 inches × 49 inches)	2.99 m – 6.28 m (118 inches – 247 inches)
120" (3.05 m)	2.66 m × 1.49 m (105 inches × 59 inches)	3.60 m – 7.55 m (142 inches – 297 inches)
150" (3.81 m)	3.32 m × 1.87 m (131 inches × 74 inches)	4.51 m – 9.45 m (178 inches – 372 inches)
170" (4.32 m)	3.76 m × 2.12 m (148 inches × 83 inches)	5.12 m – 10.72 m (202 inches – 422 inches)
200" (5.08 m)	4.43 m × 2.49 m (174 inches × 98 inches)	6.03 m – 12.62 m (238 inches – 496 inches)
250" (6.35 m)	5.53 m × 3.11 m (218 inches × 123 inches)	7.54 m – 15.78 m (297 inches – 621 inches)
300" (7.62 m)	6.64 m × 3.74 m (261 inches × 147 inches)	9.06 m – 18.95 m (357 inches – 746 inches)

VPL-XW5100

Projection image size Diagonal	Projection image size Width × Height	Projection distance L
60" (1.52 m)	1.33 m × 0.75 m (52 inches × 29 inches)	1.82 m – 2.92 m (72 inches – 115 inches)
80" (2.03 m)	1.77 m × 1.00 m (70 inches × 39 inches)	2.44 m – 3.91 m (96 inches – 154 inches)

Projection image size Diagonal	Projection image size Width × Height	Projection distance L
100" (2.54 m)	2.21 m × 1.25 m (87 inches × 49 inches)	3.06 m – 4.89 m (121 inches – 192 inches)
150" (3.81 m)	3.32 m × 1.87 m (131 inches × 74 inches)	4.60 m – 7.36 m (181 inches – 289 inches)
200" (5.08 m)	4.43 m × 2.49 m (174 inches × 98 inches)	6.13 m – 9.82 m (242 inches – 386 inches)
300" (7.62 m)	6.64 m × 3.74 m (261 inches × 147 inches)	9.21 m – 14.75 m (363 inches – 580 inches)

Projection Distance Formula

D: Projection image size (")
Example) Enter 80 in D for the 80" projection image size.

VPL-XW8100/VPL-XW6100

Unit: m (inches)

Projection distance L (minimal length)	Projection distance L (maximal length)
L = 0.030347 × D − 0.0478 (L = 1.194766 × D − 1.8818)	L = 0.063337 × D − 0.0448 (L = 2.493567 × D − 1.7646)

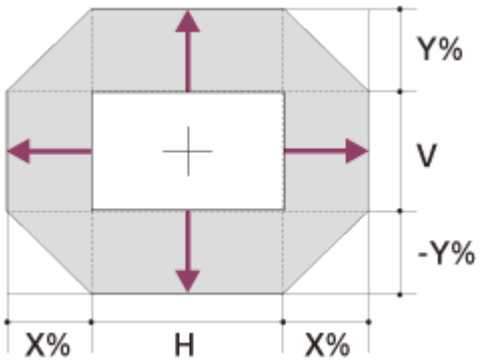
VPL-XW5100

Unit: m (inches)

Projection distance L (minimal length)	Projection distance L (maximal length)
L = 0.030791 × D − 0.0284 (L = 1.212252 × D − 1.1165)	L = 0.049266 × D − 0.0286 (L = 1.939606 × D − 1.1269)

Lens Shift Range

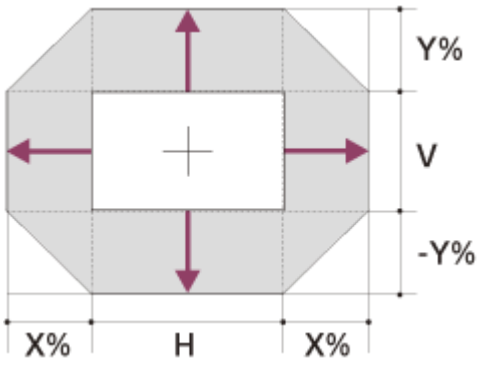
VPL-XW8100/VPL-XW6100



X: 36
Y: 85
VS+ = 85 − 2.361 × (HS+ or HS−) [%]
VS− = −85 + 2.361 × (HS+ or HS−) [%]
HS+ = HS− = 36 − 0.424 × (VS+) [%]

HS+ = HS− = 36 + 0.424 × (VS−) [%]

VPL-XW5100



X: 25
Y: 71
VS+ = 71 − 2.840 × (HS+ or HS−) [%]
VS− = −71 + 2.840 × (HS+ or HS−) [%]
HS+ = HS− = 25 − 0.352 × (VS+) [%]
HS+ = HS− = 25 + 0.352 × (VS−) [%]

Related Topic

- Projection Distance and Lens Shift Range

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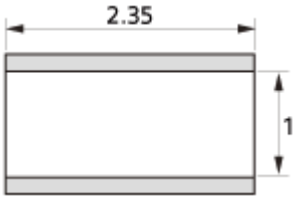
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

When Projecting in 2.35:1 Format



: Image display area
: Projection area

Projection Distance

VPL-XW8100/VPL-XW6100

Projection image size Diagonal	Projection image size Width × Height	Projection distance L
60" (1.52 m)	1.40 m × 0.60 m (55 inches × 23 inches)	1.88 m – 3.96 m (74 inches – 156 inches)
80" (2.03 m)	1.87 m × 0.80 m (74 inches × 31 inches)	2.52 m – 5.30 m (100 inches – 208 inches)
100" (2.54 m)	2.34 m × 0.99 m (92 inches × 39 inches)	3.16 m – 6.64 m (125 inches – 261 inches)
120" (3.05 m)	2.80 m × 1.19 m (110 inches × 47 inches)	3.80 m – 7.97 m (150 inches – 314 inches)
150" (3.81 m)	3.51 m × 1.49 m (138 inches × 59 inches)	4.76 m – 9.98 m (188 inches – 393 inches)
170" (4.32 m)	3.97 m × 1.69 m (156 inches × 67 inches)	5.40 m – 11.32 m (213 inches – 445 inches)
200" (5.08 m)	4.67 m × 1.99 m (184 inches × 78 inches)	6.36 m – 13.32 m (251 inches – 524 inches)
250" (6.35 m)	5.84 m × 2.49 m (230 inches × 98 inches)	7.97 m – 16.67 m (314 inches – 656 inches)
300" (7.62 m)	7.01 m × 2.98 m (276 inches × 117 inches)	9.57 m – 20.01 m (377 inches – 788 inches)

VPL-XW5100

Projection image size Diagonal	Projection image size Width × Height	Projection distance L
60" (1.52 m)	1.40 m × 0.60 m (55 inches × 23 inches)	1.93 m – 3.09 m (76 inches – 121 inches)

Projection image size Diagonal	Projection image size Width × Height	Projection distance L
80" (2.03 m)	1.87 m × 0.80 m (74 inches × 31 inches)	2.58 m – 4.13 m (102 inches – 162 inches)
100" (2.54 m)	2.34 m × 0.99 m (92 inches × 39 inches)	3.23 m – 5.17 m (127 inches – 203 inches)
150" (3.81 m)	3.51 m × 1.49 m (138 inches × 59 inches)	4.85 m – 7.77 m (191 inches – 306 inches)
200" (5.08 m)	4.67 m × 1.99 m (184 inches × 78 inches)	6.48 m – 10.37 m (255 inches – 408 inches)
300" (7.62 m)	7.01 m × 2.98 m (276 inches × 117 inches)	9.73 m – 15.57 m (383 inches – 613 inches)

Projection Distance Formula

D: Projection image size (")
Example) Enter 80 in D for the 80" projection image size.

VPL-XW8100/VPL-XW6100

Unit: m (inches)

Projection distance L (minimal length)	Projection distance L (maximal length)
L = 0.032039 × D − 0.0478 (L = 1.261364 × D − 1.8818)	L = 0.066867 × D − 0.0448 (L = 2.632561 × D − 1.7646)

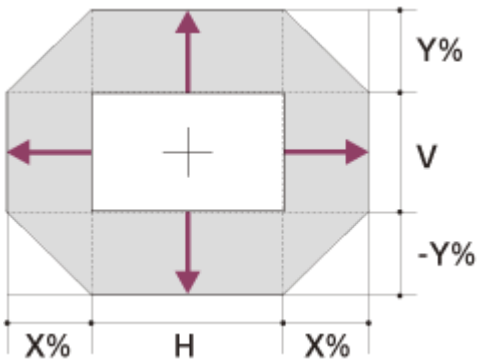
VPL-XW5100

Unit: m (inches)

Projection distance L (minimal length)	Projection distance L (maximal length)
L = 0.032508 × D − 0.0284 (L = 1.279824 × D − 1.1165)	L = 0.052012 × D − 0.0286 (L = 2.047722 × D − 1.1269)

Lens Shift Range

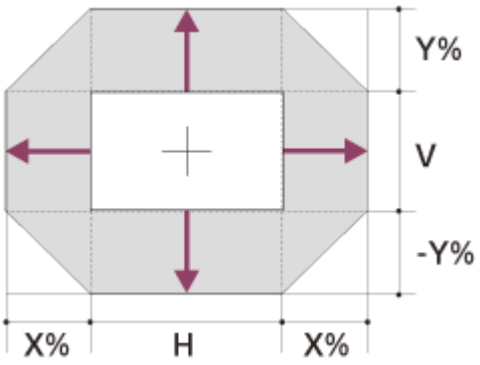
VPL-XW8100/VPL-XW6100



X: 36
Y: 112
VS+ = 112 − 3.111 × (HS+ or HS−) [%]

VS− = −112 + 3.111 × (HS+ or HS−) [%]
HS+ = HS− = 36 − 0.321 × (VS+) [%]
HS+ = HS− = 36 + 0.321 × (VS−) [%]

VPL-XW5100



X: 25
Y: 94
VS+ = 94 − 3.760 × (HS+ or HS−) [%]
VS− = −94 + 3.760 × (HS+ or HS−) [%]
HS+ = HS− = 25 − 0.266 × (VS+) [%]
HS+ = HS− = 25 + 0.266 × (VS−) [%]

Related Topic

- Projection Distance and Lens Shift Range

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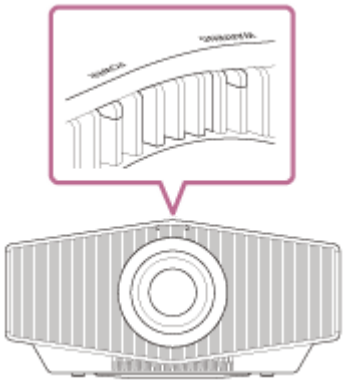
Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

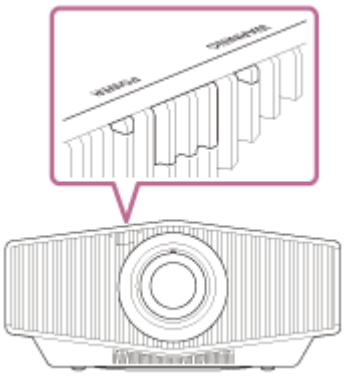
Reading the Indicator

The POWER or WARNING indicator lights up or flashes if there is any trouble with your projector.
If there is any problem or an error message appears on the screen, refer to “Error Handling.”

VPL-XW8100/VPL-XW6100

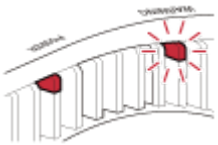


VPL-XW5100

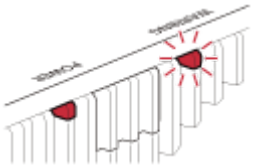


POWER: Lights in red, WARNING: Flashes in red

VPL-XW8100/VPL-XW6100



VPL-XW5100

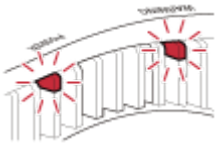


Number of flashes: Three times
The unit does not light properly due to an abnormality of the light source and light source power. Turn off, then turn on the power after a while.
If the symptom persists, consult with qualified Sony personnel.

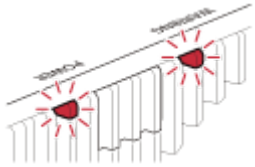
POWER: Flashes in red, WARNING: Flashes in red

Both flash simultaneously.

VPL-XW8100/VPL-XW6100



VPL-XW5100



Number of flashes: Twice

The internal temperature is unusually high. Check to ensure that nothing is blocking the ventilation holes and the unit is not being used at high altitudes.

Number of flashes: Three times

The fan is broken. Consult with qualified Sony personnel.

Note

- If the symptom persists even after carrying out the above methods, consult with qualified Sony personnel.
  If the indicator starts flashing in a way of other than the above, turn off, and then turn on the power with the ❙ / ⏻ (Power) button on the remote control or control panel of the unit.
  If the symptom is shown again, consult with qualified Sony personnel.

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Message Lists

Warning messages

Messages	Meaning/Solution
High temp.! Light off in 1 min.	• Turn off the power. • Check to ensure that nothing is blocking the ventilation holes.
Frequency is out of range!	Frequency of the input signal is out of range. Input a signal within the acceptable frequency range of the unit.
Projector temperature is high. High Altitude Mode will change. Set it properly, if Projector is being used at high altitude.	When using the unit in a location at a high altitude, appropriately set [High Altitude Mode]. When the temperature inside the unit remains high, [High Altitude Mode] is switched to [Level 2] in 1 minute, then the fan rotation speed increases.
Power Saving Mode is set. Projector will automatically power down in 1 minute.	[Power Saving] is set to [On]. If no signal is input, the projector is powered down in 1 minute.

Caution messages

Messages	Meaning/Solution
X	No signal is input in the selected input terminal. Check connections.
Not applicable!	The operation to be activated by the button is currently prohibited. Press the appropriate button.
Settings Lock enabled.	[Settings Lock] is set to [Level A] or [Level B].

Related Topic

- Parts and Controls (Main Unit) (VPL-XW8100/VPL-XW6100)
- Parts and Controls (Main Unit) (VPL-XW5100)
- Preset Signals
- Menu Operation: High Altitude Mode
- Menu Operation: Power Saving
- Menu Operation: Settings Lock

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Power is not turned on.

- Check the indicators.
- After plugging the AC power cord into an electrical outlet, it may take about 10 seconds until the unit is ready to be turned on. Wait a while then turn on the unit.

Related Topic

- Reading the Indicator

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Power is suddenly turned off.

- While [Power Saving] is set to [On] in the [Setup] menu, the projector will be powered down automatically if there is no signal input to the projector for 10 minutes or more. Set [Power Saving] to [Off].

Related Topic

- Menu Operation: Power Saving

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No image is displayed.

- Check that the connecting cable is connected to the external device properly.
- Select the input source correctly using the INPUT button.
- Check that the computer signal is set for output to an external monitor. If the signal is set to be output to both a laptop display and an external monitor, an image may not be displayed correctly on the external monitor. Set your computer to output the signal only to an external monitor.

Related Topic

- Projecting Images

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Light or dark area of the image appears too light or too dark.

- This symptom may occur when a signal level other than those of HDMI standard is input. Switch the output level of the connected device, or set the video input level under [Dynamic Range] in the [Function] menu of the projector.

Related Topic

- Menu Operation: Dynamic Range

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Projected images are too dark.

- Set [Contrast], [Brightness], and [Output] under [Laser Light Setting] correctly in the [Picture] menu.

Related Topic

- Menu Operation: Contrast
- Menu Operation: Brightness

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Blurry screen

- Adjust the screen focus.
- If dew condensation occurs, the screen may be blurred. Leave the unit for about two hours with the power on.

Related Topic

- Adjusting the Position of the Projected Image (VPL-XW8100/VPL-XW6100)
- Adjusting the Position of the Projected Image (VPL-XW5100)

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Color of characters or images is not appropriate.

- Adjust the color shift under [Panel Alignment] in the [Installation] menu.

Related Topic

- Menu Operation: Panel Alignment

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Image retention occurs on the screen.

- When a high contrast still image is displayed in the same location of the screen for a long period of time, there may be some image retention on the screen. This is only a temporary condition. Turning off the power for a while will eliminate the retained image.

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On-screen display does not appear.

- Set [Status] to [On] in the [Setup] menu.
- Check if the POWER indicator is not flashing in green. If the indicator is flashing in green, the projector is starting up. Wait until it stops flashing and remains lit in green.

Related Topic

- Menu Operation: Status

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Remote control does not work.

- Batteries could be weak. Replace the batteries with new ones.
- Insert the batteries with the correct polarities of batteries.
- If there is a light source near the remote control detector, the unit may malfunction.
- Check the position of the remote control detector on the unit.
- Set [IR Receiver] to [Front & Rear] in the [Installation] menu.
- Make sure that the cable is not connected to the IR IN connector.

Related Topic

- Inserting the Batteries into the Remote Control
- Parts and Controls (Main Unit) (VPL-XW8100/VPL-XW6100)
- Parts and Controls (Main Unit) (VPL-XW5100)
- Parts and Controls (Remote Control) (RM-PJ24) (VPL-XW8100/VPL-XW6100)
- Parts and Controls (Remote Control) (RM-PJ28) (VPL-XW5100)
- Menu Operation: IR Receiver

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Loud fan noise

- When [High Altitude Mode] is set to [Level 2] or [Level 1], the fan noise becomes slightly louder since the fan rotation speed increases.
- Make sure that the room temperature is not too high.
- Check the installation requirements of the projector. Fan rotation speed increases to maintain the product reliability of the projector's components in a room where the temperature is higher than normal temperature. The fan noise becomes louder in the room. The approximate normal temperature for the unit is 25°C (77°F).

Related Topic

- Menu Operation: High Altitude Mode

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

Lens shift cannot be adjusted.

- The lens shift cannot be adjusted over the range of movement. Adjust the lens shift within the range of movement.

Related Topic

- Projection Distance and Lens Shift Range

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Updating the Software

To update the projector's software, download an update file to your computer, copy the file to a USB drive, then insert the USB drive to the USB terminal on the projector.
You are required to have your own USB drive, a computer with internet connection, and an environment to write the update file to the USB drive.
The update file can be downloaded from the Sony website.

Note

- Some USB drives may not be supported for use.

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

About the Help Guide

- To use the latest features described in the Help Guide, you may need to update the projector's software. For details about software updates, see the "Updating the Software" page.
- The setting item names described in the Help Guide may differ from those displayed on the projector depending on the release date of the projector.
- The images and illustrations used in the Help Guide may differ from your projector.
- Design and specifications are subject to change without notice for product improvement.

Related Topic

- Updating the Software

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Video Projector
VPL-XW8100/VPL-XW6100/VPL-XW5100

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