

SONY

DataProjector

VPL-EW295/EW255/EW235

VPL-EX295/EX290/EX255/EX250/EX235/EX230

Available At

projectisle
.com.au

Where Projectors Roam Free

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

WARNING

THIS APPARATUS MUST BE EARTHED.

WARNING

When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power plug to an easily accessible socket-outlet near the unit. If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power plug.

CAUTION

About the LAN connector

For safety, do not connect the connector for peripheral device wiring that might have excessive voltage to this port.

WARNING: THIS WARNING IS APPLICABLE FOR USA ONLY.

If used in USA, use the UL LISTED power cord specified below.

DO NOT USE ANY OTHER POWER CORD.

Plug Cap	Parallel blade with ground pin (NEMA 5-15P Configuration)
Cord	Type SJT, three 16 or 18 AWG wires
Length	Minimum 1.5 m (4 ft. 11 in.), Less than 4.5 m (14 ft. 9 in.)
Rating	Minimum 10 A, 125 V

Using this unit at a voltage other than 120V may require the use of a different line cord or attachment plug, or both. To reduce the risk of fire or electric shock, refer servicing to qualified service personnel.

WARNING: THIS WARNING IS APPLICABLE FOR OTHER COUNTRIES.

- 1 Use the approved Power Cord (3-core mains lead) / Appliance Connector / Plug with earthing-contacts that conforms to the safety regulations of each country if applicable.
- 2 Use the Power Cord (3-core mains lead) / Appliance Connector / Plug conforming to the proper ratings (Voltage, Ampere).

If you have questions on the use of the above Power Cord / Appliance Connector / Plug, please consult a qualified service personnel.

IMPORTANT

The nameplate is located on the bottom.

For kundene i Norge

Dette utstyret kan kobles til et IT-strømfordelingssystem.

For the customers in the U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If you have any questions about this product, you may call; Sony Customer Information Service Center 1-800-222-7669 or <http://www.sony.com/>

Declaration of Conformity

Trade Name : SONY
Model : VPL-EW295
VPL-EW255
VPL-EW235
VPL-EX295
VPL-EX290
VPL-EX255
VPL-EX250
VPL-EX235
VPL-EX230
Responsible party : Sony Electronics Inc.
Address : 16530 Via Esprillo,
San Diego, CA
92127 U.S.A.
Telephone Number: 858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

All interface cables used to connect peripherals must be shielded in order to comply with the limits for a digital device pursuant to Subpart B of part 15 of FCC Rules.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For the customers in Canada

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

For the customers in Europe

This product has been manufactured by or on behalf of Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan.

Inquiries related to product compliance based on European Union legislation shall be addressed to the authorized representative, Sony Deutschland GmbH,

Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses provided in the separate service or guarantee documents.

For the customers in Taiwan only



廢電池請回收

For the State of California, USA only

Perchlorate Material - special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate
Perchlorate Material : Lithium battery contains perchlorate.

For the Customers in Brazil only DESCARTE DE PILHAS E BATERIAS



Após o uso, as pilhas e/ou baterias deverão ser entregues ao estabelecimento comercial ou rede de assistência técnica autorizada.

GB

Pilhas e Baterias não recarregáveis Atenção:

Verifique as instruções de uso do aparelho certificando-se de que as polaridades (+) e (-) estão no sentido indicado. As pilhas poderão vazar ou explodir se as polaridades forem invertidas, expostas ao fogo, desmontadas ou recarregadas.

Evite misturar com pilhas de outro tipo ou com pilhas usadas, transportá-las ou armazená-las soltas, pois aumenta o risco de vazamento.

Retire as pilhas caso o aparelho não esteja sendo utilizado, para evitar possíveis danos na eventualidade de ocorrer vazamento.

As pilhas devem ser armazenadas em local seco e ventilado.

No caso de vazamento da pilha, evite o contato com a mesma. Lave qualquer parte do corpo afetado com água abundante. Ocorrendo irritação, procure auxílio médico.

Não remova o invólucro da pilha.

Mantenha fora do alcance das crianças. Em caso de ingestão procure auxílio médico imediatamente.

Інформація для споживачів в Україні.

Обладнання відповідає вимогам:

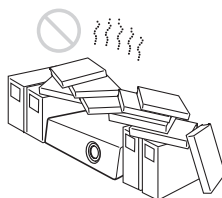
- Технічного регламенту обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні (постанова КМУ від 03/12/2008 № 1057).

Precautions

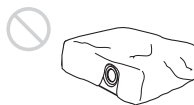
On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply. If voltage adaptation is required, consult with qualified Sony personnel.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified Sony personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The wall outlet should be near the unit and easily accessible.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Do not look into the lens while the lamp is on.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.
- Be careful not to catch your fingers by the front feet (adjustable) when you adjust the height of the unit. Do not push hard on the top of the unit with the front feet (adjustable) out.
- Avoid using an extension cord with a low voltage limited since it may cause the short-circuit and physical incidents.
- Do not catch your finger between the unit and surface of the floor when moving the projector installed on the floor.
- Do not move the projector when it is turned on and the cabinet cover is open.
- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust or humidity, mechanical vibration or shock.
- Never mount the projector on the ceiling or move it by yourself. Be sure to consult with qualified Sony personnel (charged).

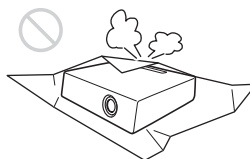
- If the ventilation holes are blocked, internal heat builds up, and it may cause a fire or damage the unit. To allow adequate air circulation and prevent internal heat build-up, follow the items below:
- Leave space around the unit (page 6).



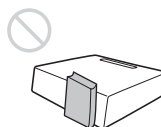
- Avoid using something to cover the ventilation holes (exhaust/intake).



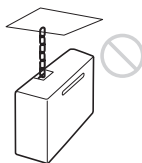
- Do not place the unit on surfaces such as an original packing sheet, soft cloth, papers, rugs, or scraps of paper. The ventilation holes may take in such materials.



- Do not place any object just in front of the lens that may block the light during projection. Heat from the light may damage the object. Use the picture muting function to cut off the picture.



- Do not use the Security bar for the purpose of preventing theft for transporting or installing the unit. If you lift the unit by the Security bar or hang the unit by this bar, it may cause the unit to fall and be damaged, and may result in personal injury.



For dealers

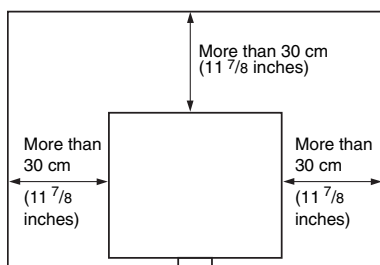
- Be sure to secure the cabinet cover firmly when installing to the ceiling firmly.

Safety precautions for installing the unit on a ceiling

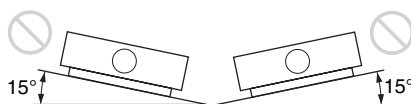
- Never mount the projector on the ceiling or move it by yourself. Be sure to consult with qualified Sony personnel (charged).
- When installing the unit on a ceiling, be sure to use a safety wire, etc., to prevent the unit from falling. Entrust the installation to an experienced contractor or installer.

On Installation

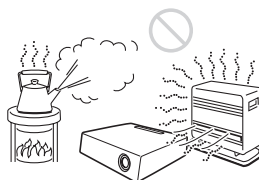
- When installing the unit, leave space between any walls, etc. and the unit as illustrated.



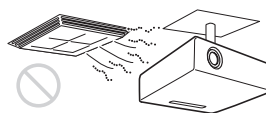
- Avoid using if the unit is tilted more than 15 degrees horizontally.



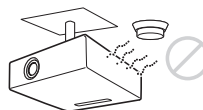
- Avoid using the unit in a location where the temperature or humidity is very high, or temperature is very low.



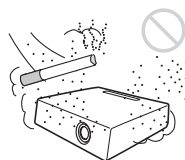
- Avoid installing the unit in a location subject to direct cool or warm air from an air-conditioner. Installing in such a location may cause malfunction of the unit due to moisture condensation or rise in temperature.



- Avoid installing the unit in a location near a heat or smoke sensor. Installing in such a location may cause malfunction of the sensor.



- Avoid installing the unit in a very dusty or extremely smoky environment. Otherwise, the air filter will become obstructed, and this may cause a malfunction of the unit or damage it.



- When using the unit at an altitude of 1,500 m or higher, set “High Altitude Mode” to “On” in the Installation menu. Failing to set this mode when using the unit at high altitudes could have adverse effects, such as reducing the reliability of certain components.
- Set “Installation Attitude” on the Installation menu correctly to suit to the Installation angle. Continuing to use the wrong setting may affect component reliability.

On cleaning the lens and the cabinet

- Be sure to disconnect the AC power cord from the AC outlet before cleaning.
- If you rub on the unit with a stained cloth, the cabinet may be scratched.
- If the unit is exposed to volatile materials such as insecticide, or the unit is in contact with a rubber or vinyl resin product for a long period of time, the unit may deteriorate or the coating may come off.
- Do not touch the lens with bare hands.
- On cleaning the lens surface:
Wipe the lens gently with a soft cloth, such as a glass cleaning cloth. Stubborn stains may be removed with a soft cloth lightly dampened with water. Never use solvent such as alcohol, benzene or thinner, or acid, alkaline or abrasive detergent, or a chemical cleaning cloth.
- On cleaning the cabinet:
Clean the cabinet gently with a soft cloth. Stubborn stains may be removed with a soft cloth lightly dampened with mild detergent solution and wrung, followed by wiping with a soft dry cloth. Never use solvent such as alcohol, benzene or thinner, or acid, alkaline or abrasive detergent, or a chemical cleaning cloth.

On Illumination

To obtain the best picture, the front of the screen should not be exposed to direct lighting or sunlight.

On Screen

When using a screen with an uneven surface, stripes pattern may rarely appear on the screen depending on the distance between the screen and the unit or the zooming magnifications. This is not a malfunction of the unit.

On Fan

Since the projector is equipped with fans inside to prevent internal temperature from rising, there may be some noise. This is a normal result of the manufacturing process and does not indicate a malfunction. If, however, in a case of abnormal noise, consult with qualified Sony personnel.

On Lamp

The lamp used as a light source contains mercury that has high internal pressure. A high-pressure mercury lamp has the following characteristics:

- Brightness of the lamp will be lowered as the elapse of time used.
- The lamp may break with a loud noise as a result of shock, damage, or deterioration caused by the elapse of time. The lamp may become unlit and may burn out.
- The lamp life varies with individual differences or usage conditions of each lamp. Therefore, it may break or will not light even before the specified replacement time.
- It may possibly break after the replacement time has elapsed. Replace the lamp with a new one as soon as possible if a message displayed on the projected image, even if the lamp normally lights.

For carrying

This unit is precision equipment. When carrying the unit, do not subject the unit to shocks, or fall. It may damage the unit.

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.

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.

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.

Notes

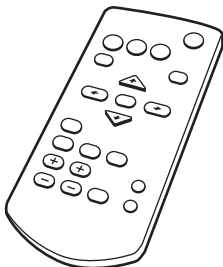
- Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.
- SONY WILL NOT BE LIABLE FOR CLAIMS OF ANY KIND MADE BY USERS OF THIS UNIT OR MADE BY THIRD PARTIES.
- SONY WILL NOT BE LIABLE FOR THE TERMINATION OR DISCONTINUATION OF ANY SERVICES RELATED TO THIS UNIT THAT MAY RESULT DUE TO CIRCUMSTANCES OF ANY KIND.

Checking the Supplied Accessories

RM-PJ8 Remote Commander (1)

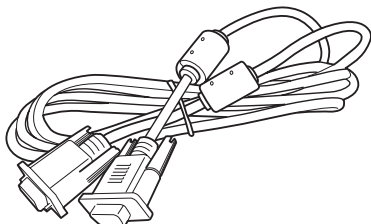
Lithium battery (CR2025) (1)

The battery is already installed. Before using the remote commander, remove the insulation film.



AC power cord (1)

Mini D-sub 15 pin cable (1.8 m) (1)



Quick Reference Manual (this manual) (1)

Operating Instructions (CD-ROM) (1)

Projector Station for Network Presentation application (CD-ROM) (1)

Using the CD-ROM Manuals

Insert the supplied CD-ROM into the CD-ROM drive of your computer, and the CD-ROM will start automatically in a few moments. Select the Operating Instructions you want to read. If the CD-ROM does not start automatically, open the “index.htm” file on the CD-ROM.

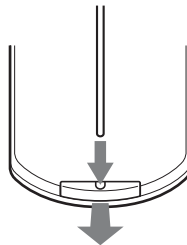
You must have Adobe Acrobat Reader 5.0 or higher installed in your computer to read the Operating Instructions stored on the CD-ROM.

Installing Projector Station for Network Presentation

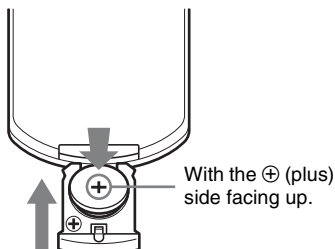
- 1 Close all running applications.
- 2 Insert the supplied CD-ROM into the CD-ROM drive of the computer.
- 3 Open the CD-ROM and double-click the .exe file.
When the message “User Account Control” is displayed, click “Allow” or “Yes.”
- 4 Follow the on-screen instructions to install the software.

Installing Batteries

- 1 Pull out the lithium battery compartment.
Pull out the battery compartment with a stick as shown in the illustration.



- 2 Insert a lithium battery.



3 Close the lithium battery compartment.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.

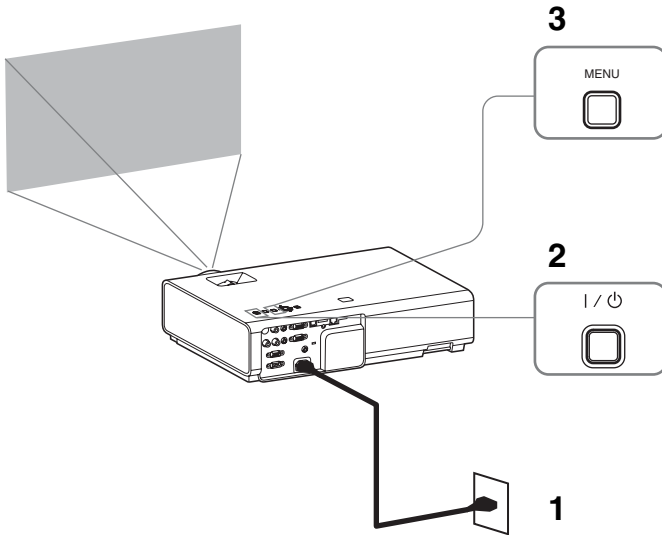
When you dispose of the battery, you must obey the law in the relative area or country.

Installing batteries

One lithium battery (CR2025) is supplied for the RM-PJ8 Remote Commander. To avoid risk of explosion, use a lithium battery (CR2025).

Selecting the Menu Language

The factory setting for the language for displaying menus, messages, etc. is English. To change the on-screen language, proceed as follows:





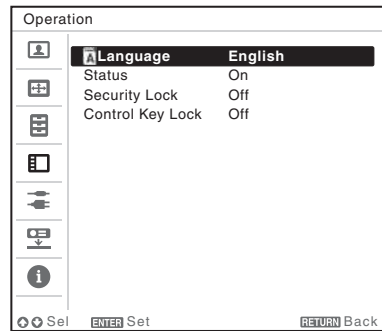
1 Plug in the AC power cord into a wall outlet.

2 Turn on the projector.
Press the I/⏻ key.

3 Press the MENU key to display the menu.
If the display cannot be properly seen, adjust the focus, size, and position of the projected image (page 16).

4 Select the menu language.

- ① Press the ▲ or ▼ key to select the Operation () menu then press the ENTER key.
- ② Press the ▲ or ▼ key to select “Language ()” then press the ENTER key.



③ Press the ▲/▼/◀/▶ key to select a language, then press the ENTER key.

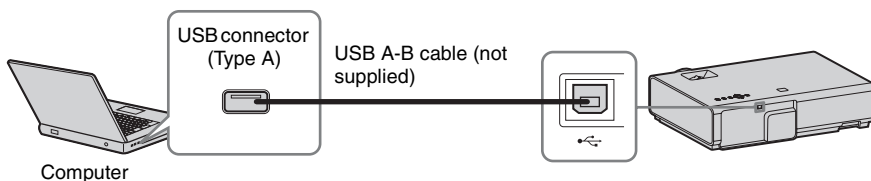
5 Press the MENU key to turn off the menu screen.

Connecting the Projector

You can connect the projector to external devices with an RGB or HDMI output connector. In addition, you can use the following methods to connect the projector to external devices:

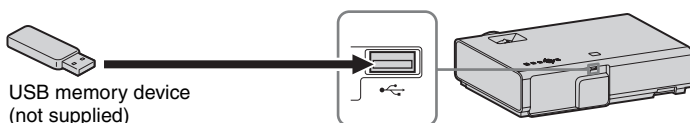
USB connector (Type B) (🔌)

For connecting to a computer with a USB connector (“Projecting an Image using USB Connection”).



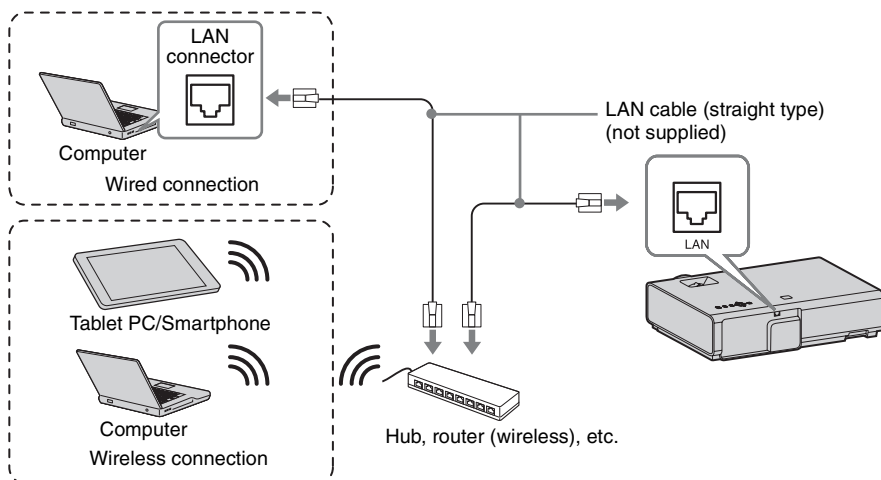
USB connector (Type A) (🔌)

For connecting a USB memory device (“Using USB Media Viewer”).



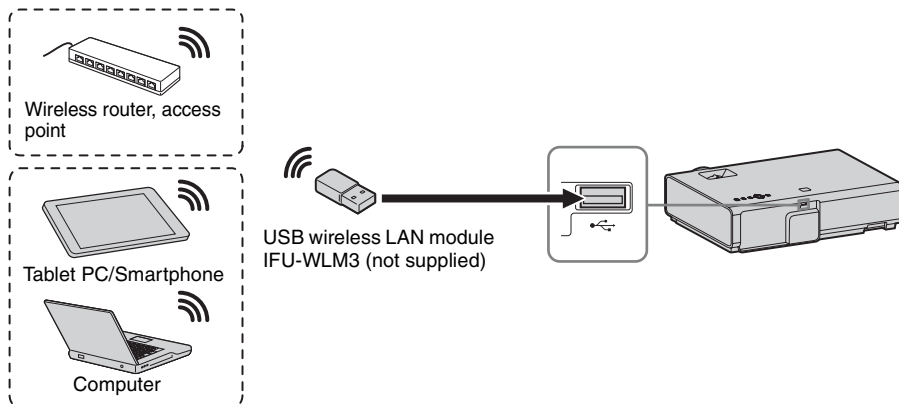
LAN connector

For connecting to a computer, tablet PC, or smartphone via a hub or router (“Presentation Function via Network”).



USB connector (Type A) ()

For connecting a USB wireless LAN module IFU-WLM3 (not supplied) (“Presentation Function via Network”).

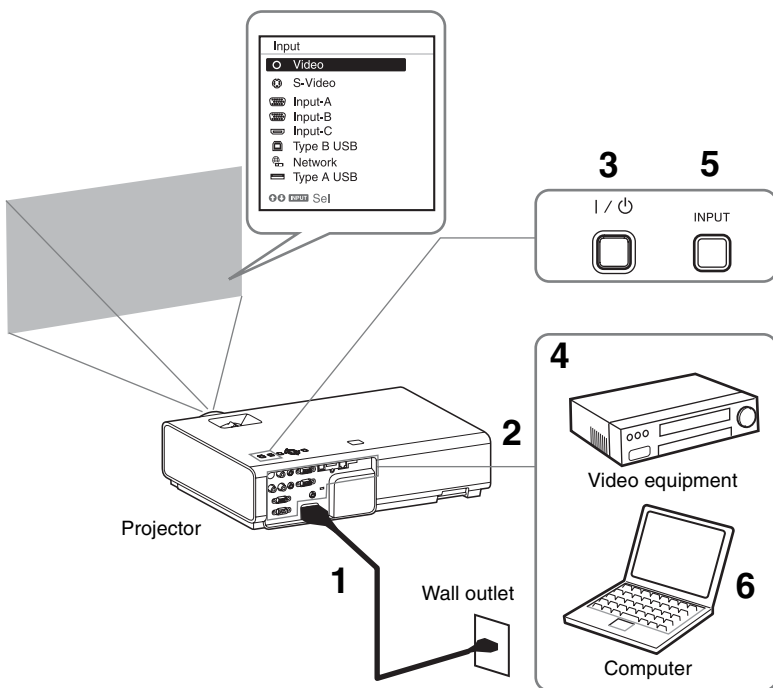


Notes

- Undesignated USB wireless LAN modules do not work.
- When connecting/disconnecting the USB wireless LAN module, make sure that the projector is in Standby mode (Standby Mode: “Low”), or the AC power cord is unplugged from the wall outlet.
- When wirelessly connecting a tablet PC/smartphone to the projector via USB wireless LAN module IFU-WLM3 (not supplied), set “WLAN Network” to “Access Pt. (Manual)” in the projector’s “WLAN Settings”.
- For connecting to the access point, access to the Web browser, and input the settings for the access point to connect. For details, see “Setting the WLAN Network of the projector”.
- The factory default settings for “Manual” are as follows.
SSID: VPL + MAC address for LAN
Security Method: WEP(64bit)
Password: sony1

Projecting an Image

The size of a projected image depends on the distance between the projector and screen. Install the projector so that the projected image fits the screen size. For details on projection distances and projected image sizes, see “Projection Distance”.



1 Plug the AC power cord into the wall outlet.

2 Connect all equipment to the projector.

3 Press the I/⏻ key to turn on the unit.

4 Turn on the connected equipment.

5 Select the input source.

Press the INPUT key on the projector to display the menu for switching input signal on the screen. Press the INPUT key repeatedly, or press the ⬆/⬆ key to select an image to be projected.

6 When projecting a computer image, switch your computer's output to external display.

The method to switch the output varies depending on the type of computer.

(Example)



To project image files stored in a USB memory device, see “USB Media Viewer”. To play video and audio using USB Connection, see “Playing Video and Audio using USB Connection”. To use Presentation Function via Network, see “Presentation Function via Network”.

- 7** Adjust the focus, size and position of the projected image (page 16).

Displaying Images or Files Sent from a Tablet PC/ Smartphone

You can project JPEG images, PDF files, etc. stored in a tablet PC/smartphone wirelessly by using a specific application.^{*1}

For downloading^{*2} or detailed method of using the application, access the following URL.

<http://PWPresenter.pixelworks.com>




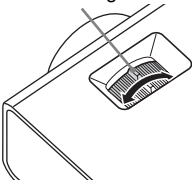
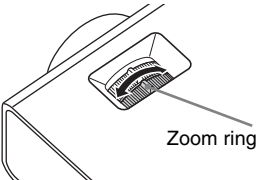
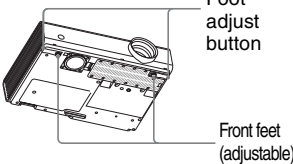


^{*1}: To use the application, one of the following conditions is required.

- Connected to network where wireless connection can be established (page 12).
- Connected to a wireless network via USB wireless LAN module IFU-WLM3 (not supplied) that is connected to the projector (page 13).

^{*2}: Depending on your Internet connection, a data communication fee for downloading the application may apply.

Adjusting the Projected image

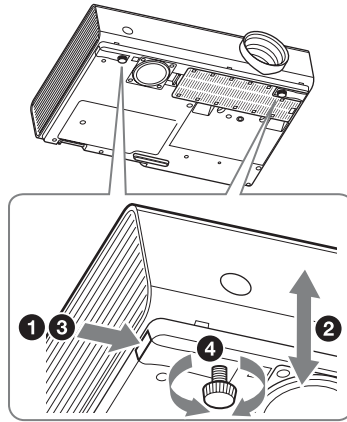
Focus	Size (Zoom)	Position
		
<p>Focus ring</p> 	<p>Zoom ring</p> 	<p>Foot adjust button</p> <p>Front feet (adjustable)</p> 

Adjusting the tilt of the projector with the front feet (adjustable)

By changing the tilt of the projector with the foot adjust buttons/front feet (adjustable), you can adjust the position of the projected image.

How to adjust the angle

- 1 Press and hold the foot adjust buttons.
- 2 Lift up the front of the projector to adjust the angle.
- 3 Release the foot adjust buttons.
- 4 Turn the front feet (adjustable) to set the angle of the projector precisely.



Notes

- Be careful not to let the projector down on your fingers.
- Do not push hard on the top of the projector with the front feet (adjustable) extended.

Changing the aspect ratio of the projected image

Press the ASPECT key on the remote commander to change the aspect ratio of the projected image. You can also change the setting in Aspect of the Screen menu.

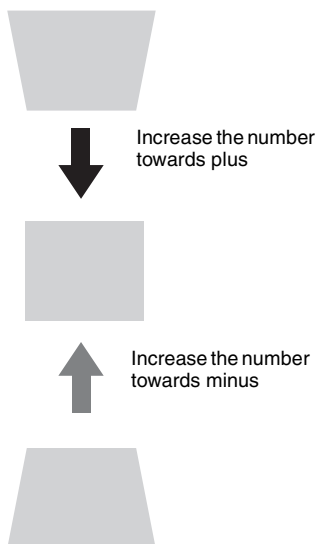
Correcting trapezoidal distortion of the projected image (Keystone feature)

Normally the Keystone feature automatically adjusts the projected image. The Keystone feature may not work automatically if the screen is tilted. In this case, set Keystone manually.

- 1 Press the KEYSTONE key on the remote commander or select V Keystone in the Installation menu.
- 2 Use the $\uparrow/\downarrow/\leftarrow/\rightarrow$ keys to set the value. The higher the value, narrower the top of the projected image. The lower the value, the narrower the bottom.

Note

Since the Keystone adjustment is an electronic correction, the image may be deteriorated.



Displaying a pattern

You can display a pattern for adjusting the projected image or a grid pattern with the PATTERN key on the remote commander. Press the PATTERN key again to restore the previous image. You can use a grid pattern as a guide to write text or to draw lines and shapes on the whiteboard or blackboard without using a computer.

Note

You cannot use this key when "Type A USB", "Type B USB" or "Network" is selected as the input.

Automatically adjusts Phase, Pitch and Shift of projected image while a signal is input from a computer (APA (Auto Pixel Alignment))

Press the APA key on the remote commander. Press again to cancel adjusting during the setting. You can also set APA in the Screen Menu. If Smart APA in the Function menu is set to "On", executes APA automatically when a signal is input.

Turning Off the Power

- 1 Press the **I/⏻** key on the unit or the remote commander.
The projector starts shutdown and turns off. If you press the **I/⏻** key within 10 seconds again, shutdown is cancelled.

Note

Do not turn off the projector soon after the lamp lights. It may cause a malfunction of the lamp (does not light ,etc.).

- 2 Unplug the AC power cord from the wall outlet.

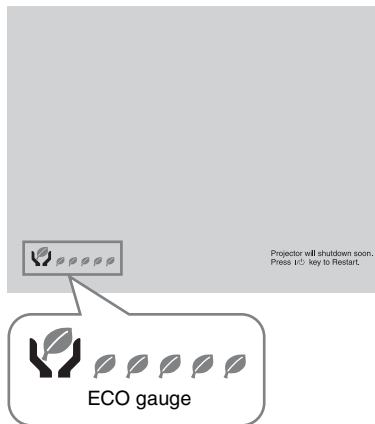
To turn off without displaying confirmation message

Press and hold the **I/⏻** key on the unit for a few seconds.

ECO gauge

This gauge indicates the current effectiveness of the projector's ECO function. (For details on the ECO function, see "ECO MODE key" and "ECO".)

The leaf icons are displayed when the projector is shut down. The number of displayed icons varies according to how much energy is saved as a result of using the ECO function.



Indicators

The indicators allow checking the status and notify you of abnormal operation of the projector. If the projector exhibits abnormal status, address the problem in accordance with the table below.

ON/STANDBY indicator

Status	Meaning/Remedies
Lights in red	The projector is in Standby mode.
Flashes in green	<ul style="list-style-type: none">• The projector is ready to operate after having been turned on.• The lamp cools after the projector is turned off.
Lights in green	The projector's power is on.
Lights in orange	The projector is in With No Input (Lamp Cutoff).
Flashes in red	The projector is in abnormal status. Symptoms are indicated by number of flashes. Address the problem in accordance with the following. If the symptom is shown again, consult with qualified Sony personnel.
Flashes twice	<p>The internal temperature is unusually high. Check the items below.</p> <ul style="list-style-type: none">• Check if nothing is blocking the ventilation holes.• Check if the air filter is not clogged (page 23).• Check if the Installation Attitude in the Installation menu is set correctly.
Flashes six times	Unplug the AC power cord from a wall outlet. After checking that the ON/STANDBY indicator goes out, plug the power cord to a wall outlet again then turn on the projector.
Other number of flashes	Consult with qualified Sony personnel.

LAMP/COVER indicator

Status	Meaning/Remedies
Flashes in red	Symptoms are indicated by number of flashes. Address the problem in accordance with the following.
Flashes twice	The lamp cover is not attached securely (page 21).
Flashes three times	The temperature of lamp is unusually high. Turn off the power and wait for lamp to cool then turn on the power again. If the symptom is shown again, the lamp may be burnt out. In this case, replace the lamp with a new one (page 21).

Replacing the Lamp

Replace the lamp with a new one if a message displayed on the projected image (page 20). Use an LMP-E212 projector lamp (not supplied) for replacement.

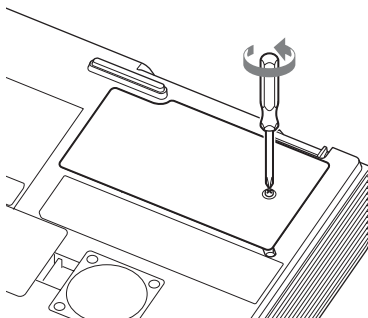
Caution

- The lamp remains hot after the projector is turned off. **If you touch the lamp, you may burn your finger. When you replace the lamp, wait for at least an hour after turning off the projector for the lamp to cool sufficiently.**
- Do not allow any metallic or inflammable objects into the lamp replacement slot after removing the lamp, otherwise it may cause electrical shock or fire. Do not put your hands into the slot.

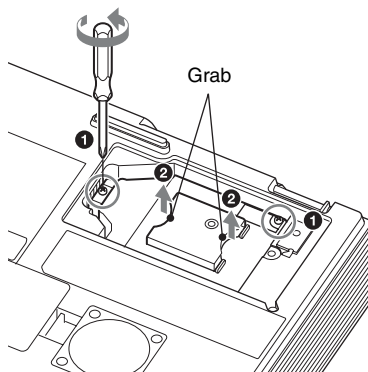
Notes

- **If the lamp breaks, contact qualified Sony personnel. Do not replace the lamp yourself.**
- When removing the lamp, be sure to pull it out straight, by holding the designated location. If you touch a part of the lamp other than the designated location, you may be burned or injured. If you pull out the lamp while the projector is tilted, the pieces may scatter if the lamp breaks any may cause injury.

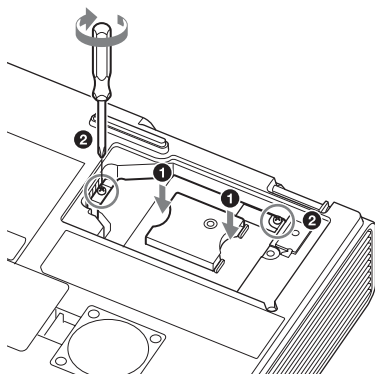
- 1 Turn off the projector, and disconnect the AC power cord from a wall outlet.
- 2 When the lamp has cooled sufficiently, open the lamp cover by loosening 1 screw.



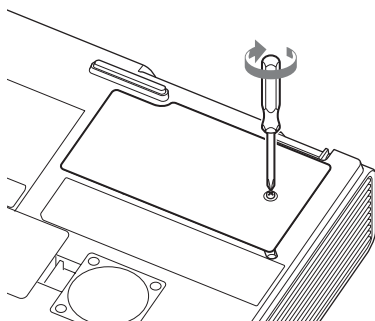
- 3 Loosen the 2 screws on the lamp then pull out the lamp by its grab.



- 4** Insert the new lamp all the way in until it is securely in place. Tighten the 2 screws.



- 5** Close the lamp cover and tighten the 1 screw.



Note

The power will not turn on if the lamp is not secured properly.

- 6** Connect the AC power cord to a wall outlet and turn on the projector.
- 7** Reset the lamp timer for notification of the next replacement time.
Select “Lamp Timer Reset” on the Function menu then press the ENTER key. When a message appears, select “Yes” to reset the lamp timer.

Caution

Disposal of the used lamp

For the customers in the USA

Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Telecommunications Industry Association (www.eiae.org).

Cleaning the Air Filter

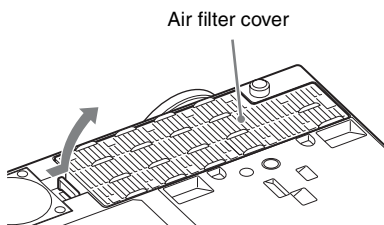
When a message appears on the projected image indicating time for a filter cleaning, clean the air filter (page 20).

If the dust cannot be removed from the air filter even after cleaning, replace the air filter with a new one. For details on a new air filter, consult with qualified Sony personnel.

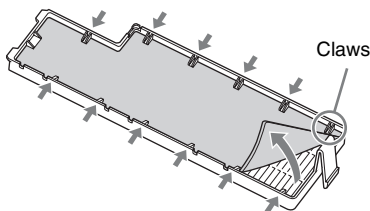
Caution

If you neglect to clean the air filter, dust may accumulate, clogging it. As a result, the temperature may rise inside the unit, leading to a possible malfunction or fire.

- 1** Turn off the projector, and disconnect the AC power cord from the AC outlet.
- 2** Slide out and remove the air filter cover from the unit.



- 3** Clean the air filter with a vacuum cleaner.
Pull out and remove the air filter cover, and clean it with a vacuum cleaner.



- 4** Reattach the air filter cover to the unit.

Note

Be sure to attach the air filter cover firmly, otherwise it may cause a malfunction.