4-687-786-01 (1)

SONY®

Video Projector

VPL-VW365/VW675ES



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About the Quick Reference Manual

This Quick Reference Manual explains the installation and basic operations for projecting pictures. It also describes important notes and cautions to which you have to pay attention when handling and using this unit.

Refer to "Warning Indicators" and "Replacing the Lamp," as necessary.

For details on the operations, refer to the Operating Instructions contained in the supplied CD-ROM.

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Maintenance	Replacing the LampPage 17

Before operating the unit, please read this manual thoroughly and retain it for future reference.

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

- 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.

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.

Caution

Two size AA (R6) batteries are required for Remote Control.

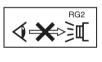
To avoid risk of explosion, use size AA (R6) manganese or alkaline batteries.

About 3D Glasses

The 3D Glasses communicate with the projector via Bluetooth technology to display 3D signals. (a) frequency band(s) in which the radio equipment operates: 2.4 - 2.4835 GHz

(b) maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates:

4.30 dBm (E.I.R.P.)



As with any bright light source, do not stare into the beam, RG2 IEC 62471-5: 2015.

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.

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.

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-VW675ES
	VPL-VW365
Responsible party:	Sony Electronics Inc.
Address:	16535 Via Esprillo,
	San Diego, CA 92127
	U.S.A.
Telephone Numbe	r: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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For the customers in Canada

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

For the customers in the U.S.A. and Canada

Radiated Exposure Statement:

The product complies with the US/Canadian portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or if the device is set to lower output power if such function is available.

For the customers in Canada

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

Caution on replacement/disposal of the battery for the 3D glasses

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.

For the customers in the U.S.A. SONY LIMITED WARRANTY - Please

visit <u>http://www.sony.com/psa/warranty</u> for important information and complete terms and conditions of Sony's limited warranty applicable to this product.

For the customers in Canada SONY LIMITED WARRANTY - Please

visit http://www.sonybiz.ca/pro/lang/en/ ca/article/resources-warranty-productregistration for important information and complete terms and conditions of Sony's limited warranty applicable to this product.

For the customers in Europe

Sony Professional Solutions Europe -Standard Warranty and Exceptions on Standard Warranty.

Please visit <u>http://www.pro.sony.eu/</u> <u>warranty</u> for important information and complete terms and conditions.

For the customers in Korea SONY LIMITED WARRANTY - Please

visit <u>http://bpeng.sony.co.kr/handler/</u> <u>BPAS-Start</u> for important information and complete terms and conditions of Sony's limited warranty applicable to this product.

Precautions

On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified 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 to 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.

On preventing internal heat buildup

After you turn off the power with the I/\bigcirc (ON/STANDBY) button, do not disconnect the unit from the wall outlet while the cooling fan is still running.

Caution

This unit is equipped with ventilation holes (intake) and ventilation holes (exhaust). Do not block or place anything near these holes, or internal heat build-up may occur, causing picture degradation or damage to the unit.

On repacking

Save the original shipping carton and packing material; they will come in handy if you ever have to ship your unit. For maximum protection, repack your unit as it was originally packed at the factory.

On watching 3D video images

Safety precautions

- You should only use the 3D glasses for watching 3D video images.
- If you observe flickering or flashing, turn off the lighting in the room.
- Not for use by children without proper adult supervision.
- Be careful not to pinch your fingers in hinges of the 3D glasses when bending the temple frames.
- Do not drop or modify these 3D glasses.
- If these glasses are broken, keep broken pieces away from your mouth or eyes.

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.

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 (refer to "Using Network Features" in the Operating Instructions).

Changing the password regularly is also recommended.

• 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.

Note

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.

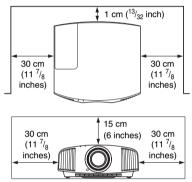
Notes on Installation and Usage

Unsuitable installation

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

Near walls

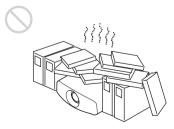
To maintain the performance and reliability of the unit, leave space between walls and the unit as illustrated.



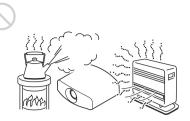
Air from air conditioners or the ventilation holes of this unit or other devices, may cause oscillation on the screen. Be sure not to install this unit in the area where the air from air conditioners or the ventilation holes of these devices reach to the front side of this unit.

Poorly ventilated location

Leave space of more than 30 cm $(11^{7}/_{8})$ inches) around the unit.



Hot and humid



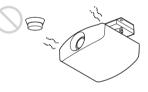
Locations subject to direct cool or warm air from an air-conditioner

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



Unsuitable Conditions

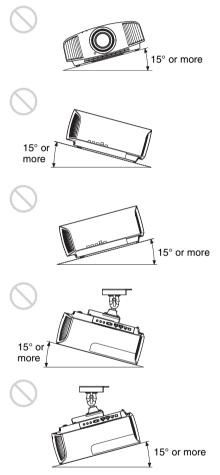
Do not do any of the following while using the unit.

Tilting front/rear and left/right

Avoid using the unit tilted at an angle of more than 15 degrees.

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 uneven color uniformity or reduce the reliability of the effects of the lamp. If the unit is tilted up or down, the image on the screen may be trapezoidal.

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



When installing the unit at high altitudes

When using the unit at an altitude of 1,500 m (approx. 4,900 ft) or higher, set "High Altitude Mode" on the Setup the menu to "On". Failing to set this mode when using the unit at high altitudes could have

adverse effects, such as reducing the reliability of certain components.

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.

For dealers

- When the projector is mounted on the ceiling, a Sony bracket or recommended equivalent must be used for installation.
- Be sure to secure the cabinet cover firmly when installing to the ceiling firmly.

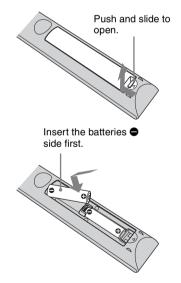
Preparing

Checking the Supplied Accessories

Check the carton to make sure it contains the following items:

- Remote control (1) VPL-VW675ES: RM-PJ24 VPL-VW365: RM-PJ28
- Size AA (R6) manganese batteries (2)
- Lens cap (1) When you purchase the projector, a lens cap is on the lens. Remove the lens cap before you use the projector.
- AC power cord (1)
- Quick Reference Manual (this manual) (1)
- Operating Instructions (CD-ROM) (1)

Inserting the Batteries into the Remote Control



Caution about handling the remote control

• Handle the remote control with care. Do not drop or step on it, or spill liquid of any kind onto it.

• Do not place the remote control in a location near a heat source, a place subject to direct sunlight, or a damp room.

Using the CD-ROM manual

The manual can be read on a computer with Adobe Reader installed.

You can download Adobe Reader free from the Adobe website.

- **1** Open the index.html file in the CD-ROM.
- **2** Select and click on the manual that you want to read.

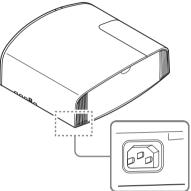
Note

If you have lost or damaged the CD-ROM, you can purchase a new one from your Sony dealer or Sony service counter.

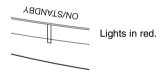
Step 2

- **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.





Front of the unit

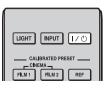


Note

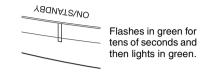
After connecting the AC power cord to the unit, the ON/STANDBY indicator may blink in orange.

You may not be able to control the unit while the indicator is blinking, but this is not a malfunction. Wait until it stops blinking and remains lit in red.

3 Press the I/() (ON/STANDBY) button to turn on the unit.

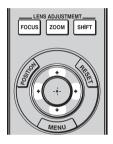


Front of the unit



4 Project an image on the screen, then adjust the focus, size, and position.

VPL-VW675ES



Adjust the focus.

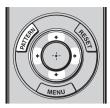
Press the LENS ADJUSTMENT (FOCUS) button to display the Lens Focus adjustment window (test pattern). Then adjust the focus of the picture by pressing the $\uparrow/\downarrow/\leftarrow/\rightarrow$ buttons.

2 Adjust the picture size.

Press the LENS ADJUSTMENT (ZOOM) button to display the Lens Zoom adjustment window (test pattern). Then adjust the size of the picture by pressing the $\uparrow/\downarrow/$ buttons.

Adjust the picture position.

Press the LENS ADJUSTMENT (SHIFT) button to display the Lens Shift adjustment window (test pattern). Then adjust to the proper position of the picture by pressing the /////



1 Adjust the focus.

Press the PATTERN button repeatedly to display the Lens Focus adjustment window (test pattern). Then adjust the focus of the picture by pressing the $\uparrow/\downarrow/$ \leftarrow / \rightarrow buttons.



2 Adjust the picture size.

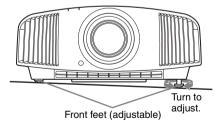
Press the PATTERN button repeatedly to display the Lens Zoom adjustment window (test pattern). Then adjust the size of the picture by pressing the $\uparrow/\downarrow/$ \leftarrow / \rightarrow buttons.

Adjust the picture position.

Press the PATTERN button repeatedly to display the Lens Shift adjustment window (test pattern). Then adjust to the proper position of the picture by pressing the $\uparrow/\downarrow/$ buttons.

To adjust the tilt of the installation surface

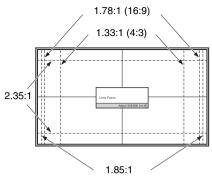
If the unit is installed on an uneven surface. use the front feet (adjustable) to keep the unit level.



Notes 1 1

- If the unit is tilted up or down, the projected image may be trapezoidal.
- · Be careful not to catch your finger when turning the front feet (adjustable).

Lens adjustment window (test pattern)



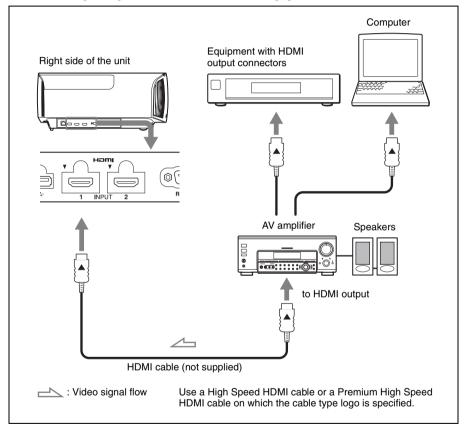
The dashed lines show the screen sizes of each aspect ratio.

For more information, refer to "Connections and Preparations" in the Operating Instructions contained in the supplied CD-ROM.

Step 3

When making connections, be sure to do the following:

- Turn off all equipment before making any connections.
- Use the proper cables for each connection.
- Insert the cable plugs properly; poor connection at the plugs may cause a malfunction or poor picture quality. When pulling out a cable, be sure to pull it out from the plug, not the cable itself.
- Refer to the operating instructions of the connected equipment.



Note

Even if the cable is connected to the HDMI INPUT 1 connector, the signal compatible with HDCP 2.2 cannot be displayed correctly, Be sure to connect the cable to the HDMI INPUT 2 connector (VPL-VW365).

For more information, refer to "Connections and Preparations" in the Operating Instructions contained in the supplied CD-ROM.

Selecting the Menu Language

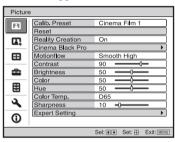
You can select the language for displaying the menu and other on-screen displays. The factory default setting is English. To change the current menu language, set the desired language with the menu screen.

1 Press MENU.

Step 4



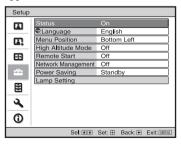
The menu appears.



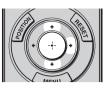
2 Press \uparrow/\downarrow to select the Setup menu, and press \rightarrow or \oplus .

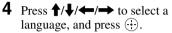


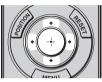
The setting items of the selected menu appear.



3 Press ↑/↓ to select "Language," and press → or ⊕.







The menu changes to the selected language.

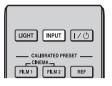
To clear the menu

Press MENU.

Projecting

Projecting the Picture

- **1** Turn on both the unit and the equipment connected to the unit.
- **2** Press INPUT to display the input palette on the screen.



3 Select the equipment from which you want to display images.

Press INPUT repeatedly or press \uparrow/\downarrow . (\div) (enter) to select the equipment from which to project.



Example: To view the picture from the video equipment connected to the HDMI 1 connector of this unit.

Turning Off the Power

1 Press the I/⁽¹⁾ (ON/STANDBY) button.

A message "POWER OFF?" appears on the screen.

2 Press the I/(¹) (ON/STANDBY) button again before the message disappears. The ON/STANDBY indicator flashes in green and the fan continues to run to reduce the internal heat.

The fan stops and the ON/STANDBY indicator changes from flashing green to remaining red.

The power is turned off completely, and you can disconnect the AC power cord.

Note

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

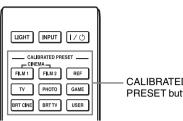
Tip

You can turn off the unit by holding the I/\bigcirc (ON/STANDBY) button for about 1 second, instead of performing the above steps.

For more information, refer to "Projecting" in the Operating Instructions contained in the supplied CD-ROM.

Selecting the Picture Viewing Mode

Press one of the CALIBRATED PRESET buttons.



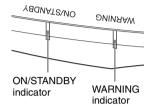
CALIBRATED
PRESET buttons

Setting items	Description	
CINEMA FILM 1	Picture quality suited to reproducing the highly dynamic and clear images typical of master positive film.	
CINEMA FILM 2	Picture quality suited to reproducing the rich tone and color typical of a movie theater, based on the Cinema Film 1.	
REF	A picture quality setup suitable for when you want to reproduce faithfully the original image quality, or for enjoying image quality, without any adjustment.	
TV	Picture quality suited for watching TV programs, sports, concerts, and other video images.	
РНОТО	Ideal for projecting still images taken with a digital camera.	
GAME	Picture quality suited to gaming, with well-modulated colors and fast response.	
BRT CINE	Picture quality suited for watching movies in a bright environment, such as a living room.	
BRT TV	Picture quality suited for watching TV programs, sports, concerts, and other video images in a bright environment, such as a living room.	
USER	Adjusts the picture quality to suit your taste then saves the setting. The factory default setting is the same as "REF."	

For more information, refer to "Projecting" in the Operating Instructions contained in the supplied CD-ROM.

Warning Indicators

The ON/STANDBY or WARNING indicator lights up or flashes if there is any trouble with your projector.



Flashing/Lighting indicators	The number of flashes	Cause and Remedy
YADNATZ/NO ON/STANDA 4	Twice	Close the lamp cover securely, then tighten the screws securely.
(Flashes in red)	Three times	The temperature of lamp is unusually high. Turn off the power and wait for the lamp to cool, then turn on the power again. If the symptom persists, the lamp may be at the end of its service life. In this case, replace the lamp with a new one.
WARNING ON/STANDBY	Twice	The internal temperature is unusually high. Check to ensure that if nothing is blocking the ventilation holes or whether or not the unit is being used at high altitudes.
	Three times	The fan is broken. Consult with qualified Sony personnel.
(Flashes in red) (Flashes in red)		
Both indicators flash		

Note

When a warning indicator other than the above starts flashing, and the symptom persists even after carrying out the above methods, consult with qualified Sony personnel.

If there is any problem or an error message appears on the screen, refer to "Error Handling" in the Operating Instructions contained in the supplied CD-ROM.

Maintenance

The lamp used for the light source has a certain lifespan. When the lamp dims, the color balance of the picture becomes strange, or "Please replace the Lamp." appears on the screen, the lamp may be exhausted. Replace the lamp with a new one (not supplied) without delay.

Тір

The lifespan of the lamp used for the light source changes depending on the installation environment or use conditions. You can use the lamp longer by avoiding turning the lamp off until several minutes pass after turning the lamp on.

Tools you need to get started:

- Projector Lamp (Optional) VPL-VW675ES: LMP-H280 VPL-VW365: LMP-H220
- Standard Phillips screwdriver
- Cloth (for scratch protection)

Caution

- The lamp remains hot after the unit is turned off with the I/() (ON/STANDBY) button. If you touch the lamp, you may burn your fingers. When you replace the lamp, wait for at least 1 hour for the lamp to cool.
- Do not touch the surface of the lamp. If you touch it, wipe off the fingerprints with a soft cloth.
- Pay special attention to replacing the lamp when the unit is installed on the ceiling.
- When replacing the lamp of a unit which is on the ceiling, do not stand directly under the lamp cover. When removing the lamp door (inner cover), avoid twisting it. If the lamp explodes, fragments may cause injury.
- When removing the lamp unit, make sure it remains horizontal, then pull straight up. Do not tilt the lamp unit. If you pull out the lamp unit while tilted and if the lamp breaks, the pieces may scatter, causing injury.

Notes

• Be sure to use a specified projector lamp for the replacement. If you use lamps other than

the specified projector lamp, the unit may malfunction.

• Be sure to turn off the unit and unplug the power cord before replacing the lamp, then check the ON/STANDBY indicator has already been turned off.

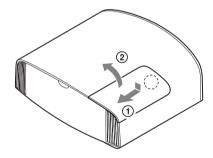
Replacing the Lamp

- **1** Turn off the unit and unplug the AC power cord.
- **2** When setting the unit on a flat surface such as a desk etc., put a cloth to prevent the surface from being scratched. Place the unit on the cloth.

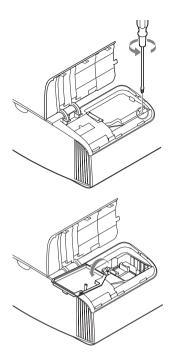
Note

Be sure that the unit is placed on a stable surface.

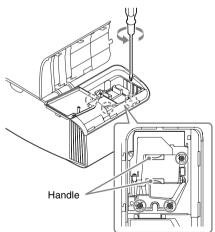
3 While pressing the \bigcirc part indicated in the lamp cover illustration, slide ① and then open ② the lamp cover.



4 Loosen the lamp door (inner cover) screw with a Phillips screwdriver, and then open the lamp door.



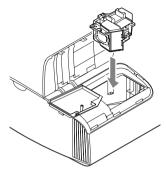
5 Loosen the 3 screws on the lamp with the Phillips screwdriver. Hold up the handle, then pull the lamp straight out.



Notes

- Do not loosen other screws except the 3 specified screws.
- Hold the lamp by the handle to remove and attach it.

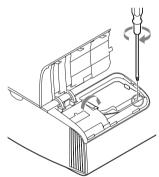
6 Push in the new lamp by the handle securely until it reaches the end, and then tighten the 3 screws.



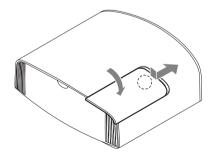
Note

Be careful not to touch the optical block inside the unit.

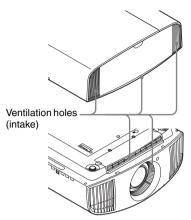
7 Close the lamp door (inner cover), and then tighten the screw.



8 Close the lamp cover.



9 Wipe dust off the ventilation holes (intake) with a soft cloth.



10Turn on the unit, then select the lamp setting item on the Setup and menu. The menu screen below will be appeared.

Lamp Setting
Settings for lamp replacement. Has the projection lamp been replaced ?
Sel: 💌 Set: 🗄

Тір

If "Settings Lock" is set to "Level B," set to "Off" once.

11Select "Yes."

Lamp Setting
Lamp replacement process is now complete.
ОК
Set: 🖽

Caution

Do not put your hands into the lamp replacement slot, and do not allow any liquid or other objects into the slot to avoid electrical shock or fire.

Notes

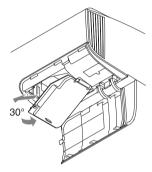
• The unit will not turn on unless the lamp is securely installed in place.

- The unit will not turn on unless the lamp cover are securely closed.
- To clear a message displayed on the screen, press any button either on the remote control or the control panel of the unit once.

Note on replacing the lamp when broken, in the case of a ceiling installation

If the lamp breaks, broken lamp pieces may scatter and cause injury.

When the unit is on the ceiling, remove the lamp door (inner cover) by sliding it horizontally slowly after raising it with 30 degree opened. Avoid twisting the lamp door (inner cover).



Note

The lamp contains mercury. The disposal rules for used fluorescent tubes depend on where you live. Follow the waste disposal policy in your area.

Disposal of the used lamp

For the customers in the U.S.A. and Canada

Hg Lamp contains mercury. Dispose according to applicable local, state/province and federal laws. For additional information, see <u>www.sony.com/</u> mercury