

**SONY**

X-XXX-XXX-XX(X)  
rev 080121pm

# Data Projector

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User Manual (Version x.x)

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

VPL- Series

© 200x Sony Corporation

## 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 socket-outlet which must be provided near the unit and easily accessible.

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.

**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 2.5 m (8 ft .3 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.

### CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

### 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-XXXXX

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.

#### For the customers in Canada

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

#### For the customers in Europe

The manufacturer of this product is Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, Japan.

The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or

guarantee matters please refer to the addresses given in separate service or guarantee documents.

#### For the State of California, USA only

Perchlorate Material - special handling may apply, See

[www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate)

Perchlorate Material: Lithium battery contains perchlorate.

#### 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 Electronic Industries Alliance ([www.eiae.org](http://www.eiae.org)).

**GB**

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

In according with 47 CFR Part 15.407 (e) U-NII devices operating in 5.15-5.25GHz frequency bands are restricted to indoor operations only. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated with at least 20cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

WARNING

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## Precautions

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### 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 adjuster when you adjust the height of the unit. Do not push hard on the top of the unit with the adjuster out.
- Be sure to grasp both sides of the unit with both hands when carrying the unit.

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### On illumination

- To obtain the best picture, the front of the screen should not be exposed to direct lighting or sunlight.
- Ceiling-mounted spot lighting is recommended. Use a cover over fluorescent lamps to avoid lowering the contrast ratio.
- Cover any windows that face the screen with opaque draperies.
- It is desirable to install the unit in a room where floor and walls are not of light-reflecting material. If the floor and walls are of reflecting material, it is recommended that the carpet and wall paper be changed to a dark color.

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### On preventing internal heat build-up

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

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### On cleaning

#### Before cleaning

Be sure to disconnect the AC power cord from the AC outlet.

#### On cleaning the air filter

- Clean the air filter whenever you replace the lamp.
- Refer to the “Cleaning the Air Filter” on the Operating Instructions or Quick Reference Manual for the air filter cleaning.

#### On cleaning the lens

The lens surface is especially treated to reduce reflection of light.

As incorrect maintenance may impair the performance of the projector, take care with respect to the following:

- Avoid touching the lens. To remove dust on the lens, use a soft dry cloth. Do not use a damp cloth, detergent solution, or thinner.
- Wipe the lens gently with a soft cloth such as a cleaning cloth or glass cleaning cloth.
- Stubborn stains may be removed with a soft cloth such as a cleaning cloth or glass cleaning cloth lightly dampened with water.
- Never use solvent such as alcohol, benzene or thinner, or acid, alkaline or abrasive detergent, or chemical cleaning cloth, as they will damage the lens surface.

#### On cleaning the cabinet

- Clean the cabinet gently with a soft dry cloth. Stubborn stains may be removed with a cloth lightly dampened with mild detergent solution, followed by wiping with a soft dry cloth.
- Use of alcohol, benzene, thinner or insecticide may damage the finish of the

cabinet or remove the indications on the cabinet. Do not use these chemicals.

- If you rub on the cabinet with a stained cloth, the cabinet may be scratched.
- If the cabinet is in contact with a rubber or vinyl resin product for a long period of time, the finish of the cabinet may deteriorate or the coating may come off.

#### On LCD projector

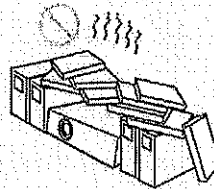
- The LCD projector is manufactured using high-precision technology. You may, however, see tiny black points and/or bright points (red, blue, or green) that continuously appear on the LCD projector. This is a normal result of the manufacturing process and does not indicate a malfunction.

## Notes on Installation and Usage

### Unsuitable Installation

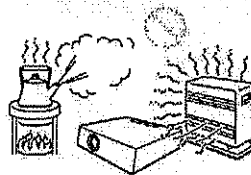
Do not install the unit in the following situations. These installations may cause malfunction or damage to the unit.

### Poorly ventilated



- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- When the internal heat builds up due to the block-up, the temperature sensor will function with the message "High temp.! Lamp off in 1 min." The power will be turned off automatically after one minute.
- Leave space of more than 30 cm (11 7/8 inches) around the unit.
- Be careful that the ventilation holes may inhale fineness such as a piece of paper.

### Highly heated and humid



- Avoid installing the unit in a location where the temperature or humidity is very high, or temperature is very low.
- To avoid moisture condensation, do not install the unit in a location where the temperature may rise rapidly.

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**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.

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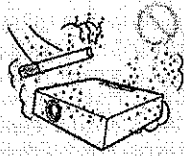
**Near a heat or smoke sensor**



Malfunction of the sensor may be caused.

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**Very dusty, extremely smoky**



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. Dust preventing the air passing through the filter may cause a rise in the internal temperature of the unit. Clean the air filter whenever you replace the lamp.

**Usage in High Altitude**

When using the unit at an altitude of 1,500 m or higher, set the "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.

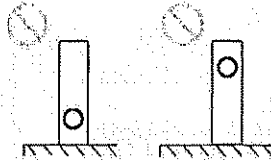
**Note on the screen**

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.

### Unsuitable Conditions

Do not use the unit under the following conditions.

#### Do not topple the unit



Avoid using as the unit topples over on its side. It may cause malfunction.

#### Do not tilt right/left



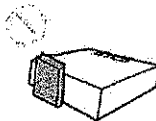
Avoid using as the unit tilts more than 20 degrees. Do not install the unit other than on the floor or ceiling. These installations may cause malfunction.

#### Do not block the ventilation holes



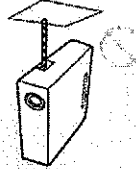
Avoid using something to cover over the ventilation holes (exhaust/intake); otherwise, the internal heat may build up.

#### Do not place a blocking object just in front of the lens



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 PIC MUTING key to cut off the picture.

#### Do not use the Security bar for transporting or installation



Use the Security bar at the side of the projector for a purpose of preventing theft, by attaching a commercially available theft prevention cable for example. If you lift the projector by holding the Security bar, or hang the projector by using this bar, it may cause the projector to fall or be damaged.

WLAN Module Specifications

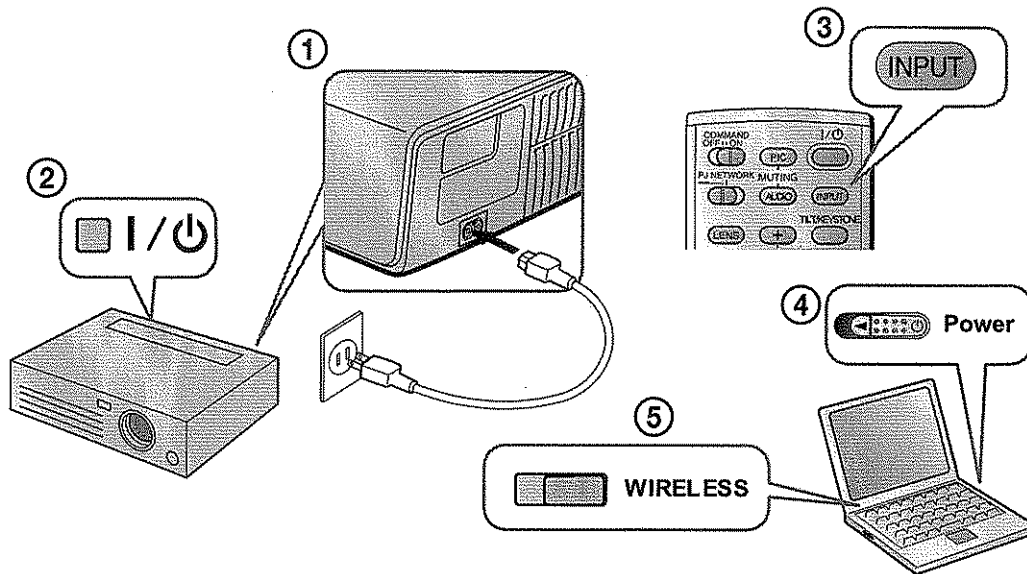
Parameter	Descriptions	
	Based on IEEE802.11b/g	Based on IEEE802.11a
Communication Standard	Based on IEEE802.11b/g	Based on IEEE802.11a
Access Control	CSMA/CA	
Frequency Band and Operating Channels	2400 – 2483.5MHz 2412, 2417, 2422, 2427, 2432, 2437, 2442, 2447, 2452, 2457,2462MHz 11 channels	5150 – 5250MHz 5180, 5200, 5220, 5240MHz 4 channels
Channel Space	5MHz	20MHz
Occupied Band Width	18MHz	18MHz
Modulation	DSSS / OFDM	OFDM
Data Rates Supported	1Mbps (DSSS-BPSK) 2Mbps (DSSS-QPSK) 5.5/11Mbps(CCK) 6/9Mbps (OFDM-BPSK) 12/18Mbps (OFDM-QPSK) 24/36Mbps (OFDM-16QAM) 48/54Mbps (OFDM-64QAM)	6/9Mbps (OFDM-BPSK) 12/18Mbps (OFDM-QPSK) 24/36Mbps (OFDM-16QAM) 48/54Mbps (OFDM-64QAM)



# Set-up

## Wireless connection

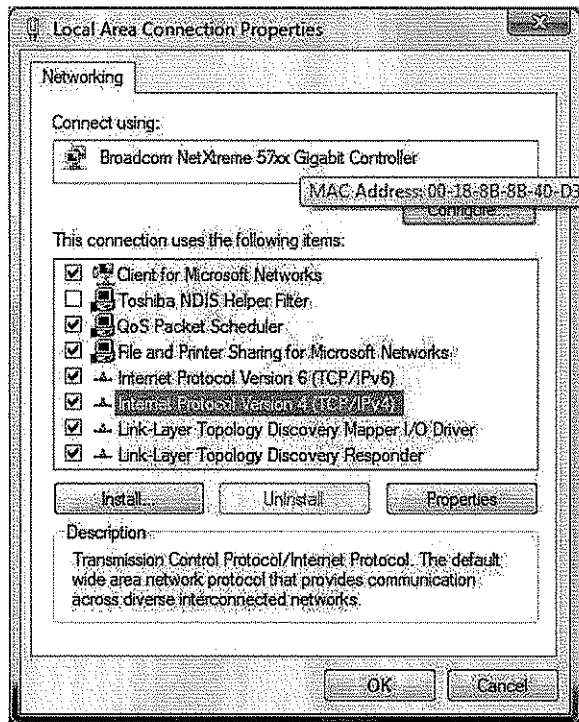
- ① Connect the AC power cord to a wall outlet
- ② Press the I/⏻ (on/standby) key.
- ③ Press the INPUT button on the remote commander and select network channel.
- ④ Turn on the power of the computer.
- ⑤ Make PC wireless enable.



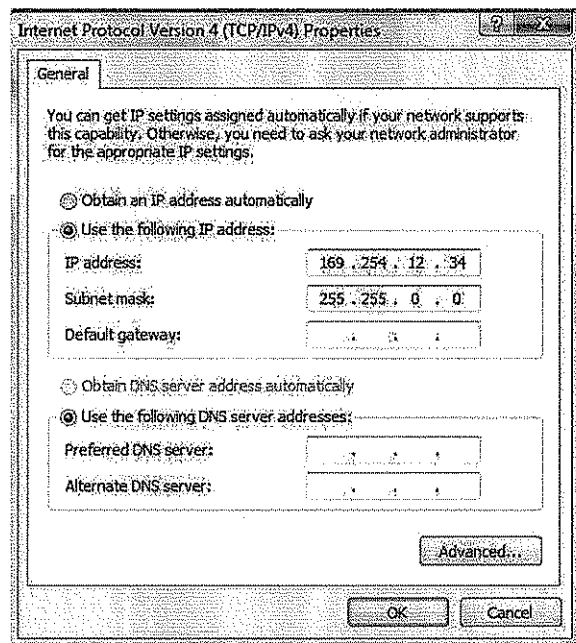
# Setting up PC Network

① Setting the network on the PC.

Select “Network Connections” from the PC Control Panel, and right-click “Wireless Network Connection” to display the Wireless Network Connection Properties.

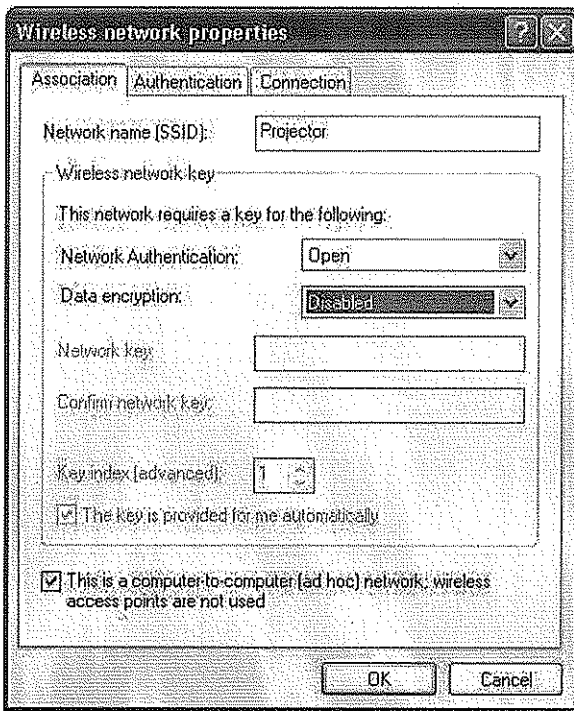


Select an internet protocol, and click “Properties.”



Input the proper values in the IP address and Subnet mask text boxes for the General tab. After setting, click “OK.”

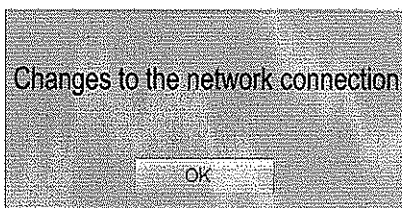
② Setting up the wireless network on the PC.  
Click “Wireless Network” tab, and select “Add.”



The Wireless network properties appears. Input a network name, and check “This is a computer-to-computer [ad hoc] network; wireless access points are not used”  
After setting, select “OK.”

Connect the projector to the network.

① Open the setting window  
Press the MENU key on the remote commander.  
Select “Installation Setting”, then select “Network Settings.”



The confirmation dialog appears. Press “OK” to open the network setting window.

② Setting up the network  
Select “Wireless Network Settings”, and select “Internet Protocol”.

**Input C (Network)**  
Home > Wireless Network Settings

<b>Internet Protocol</b>	IP address settings	Use the following IP address
<b>Wireless Network</b>	IP address	
<b>802.1x authentication</b>	Subnet mask	
	Default gateway	
DNS server address specifications		Obtain DNS server addresses automatically
	DNS server 1	
	DNS server 2	

Input the proper values in “IP address” and “Subnet mask” of “IP address settings” in order to communicate with the PC.

③ Setting up the wireless network

Select “Wireless Network Settings”, and select “Ad hoc” in “Network Mode.”

**Input C (Network)**  
Home > Wireless Network Settings

<b>Internet Protocol</b>	Network Mode	Ad hoc
<b>Wireless Network</b>	Channel	Auto
<b>802.1x authentication</b>	Network Name	On-screen keyboard
	Network Authentication	Auto
	Data Encryption	None
	Key	None

Input the same SSID with the one of the PC in “Network Name (SSID).”