

SONY

9-758-842-24(1)

Color Video Projector

# VPH-1001Q/1001QM VPH-1044Q/1044QM

English

Français

Deutsch

## Operating Instructions

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

Installation and preliminary adjustments should be performed by qualified Sony personnel.

## Mode d'emploi

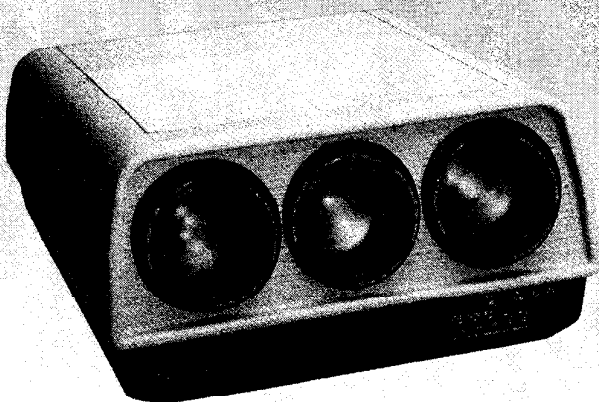
Avant la mise en service de cet appareil, prière de lire attentivement ce mode d'emploi que vous conserverez pour référence ultérieure.

L'installation et les réglages préliminaires doivent être accomplis par un personnel Sony compétent.

## Bedienungsanleitung

Vor der Inbetriebnahme lesen Sie diese Anleitung sorgfältig durch und bewahren Sie sie zum späteren Nachschlagen auf.

Installation und Voreinstellungen sind von einem Sony Fachmann auszuführen.



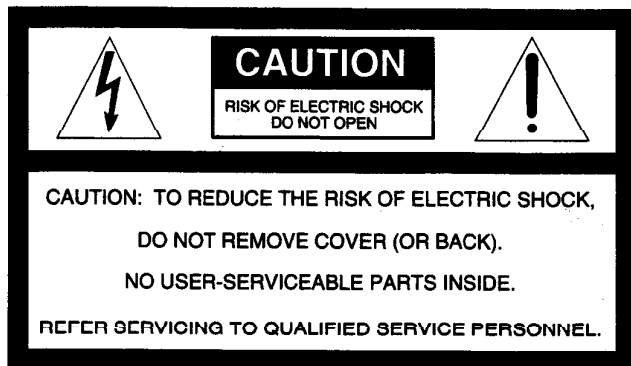
The photo is the VPH-1044Q/1044QM.  
La photographie représente le VPH-1044Q/  
1044QM.  
Das Foto zeigt den VPH-1044Q/1044QM.

# Super Bright

# WARNING

## For the customers in the USA

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## Owner's Record

The model and serial numbers are located on the side. Record the model and serial numbers in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

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 instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to 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.

### Projection System Installation Instructions

**WARNING: USE OF PROPER HARDWARE AND ACCESSORIES IS REQUIRED AS SPECIFIED. PROPER INSTALLATION ACCORDING TO INSTRUCTIONS IS REQUIRED. IMPROPER INSTALLATION MAY RESULT IN SERIOUS PERSONAL INJURY.**

# Table of Contents

## For the customers in Canada

This apparatus complies with the Class B limits for radio noise emissions set out in Radio Interference Regulations.

## Notice for the Customers in the United Kingdom

### WARNING

**THIS APPARATUS MUST BE EARTHED**

### IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow : Earth  
Blue : Neutral  
Brown : Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows: The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol Y or coloured green or green-and-yellow. The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

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The instructions in this manual are for the VPH-1001Q/VPH-1044Q (for the USA and Canada) and the VPH-1001QM/VPH-1044QM (for European countries). Before you start operating, please check your model number.

The main difference between these models is that the VPH-1044Q/1044QM is equipped with the RGB/COMPONENT IN connectors, while the VPH-1001Q/1001QM is not. Any difference is clearly indicated in the manual.

The photo and illustrations used in this manual are of the VPH-1044Q/1044QM.

You can change the on-screen display language if you prefer German, French, Italian or Spanish. To change the language, see page 17 or the supplement attached to this manual.

# Features

## Bright image—light output of 700 lumen

A newly developed phosphor and electron gun provide a high-quality image with extra sharpness and brightness.

## Clear color reproduction—high-quality circuit

A high quality picture is obtained by combining the use of a three-line logical comb filter to reduce dot interference and cross color, and the use of a new chroma transient circuit to improve color sharpness by removing color blur.

## Component signal input (VPH-1044Q/1044QM only)

The projector is equipped with a component signal input to accept high-quality video format component signals used for TV broadcasting services including program production.

## Wireless and wired remote control

You can operate your projector from a distance with the supplied Remote Commander and remote control receiver. You can also use the Commander as a wired Commander by connecting it to the projector.

## Other features

- **Four color systems available**  
The PAL, SECAM, NTSC or NTSC4.43 color system is selected automatically.
- **Illuminated Remote Commander and control panel**  
When you press the LIGHT button on the Remote Commander or you open the control panel cover, the key indicators are illuminated for proper operation in low light.
- **Various installation possibilities**  
The projector is designed to be installed on a desk, the floor or on the ceiling and can be used with a flat screen, curved screen or rear projection screen.
- **Internal test signal**  
The centering adjustment can be performed easily by projecting the built-in cross-hair test signal. No external test signal is needed.

# 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 your Sony dealer or qualified personnel.
- 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 or set the MAIN POWER switch to OFF 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 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.

## On installation

- 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.  
Be aware that room heat rises to the ceiling; check that temperature near the installation location is not excessive.
- 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.
- To avoid moisture condensation, do not install the unit in a location where the temperature may rise rapidly.
- When the projector is mounted on the ceiling, the Sony PSS-722/PSS-10 projector suspension support must be used for installation.

## On illumination

- To obtain the best picture, the front of the screen should not be exposed directly to illumination or sunlight.
- Ceiling mounted spot lighting is recommended. Use a cover over fluorescent lamps to avoid lowering contrast ratio.
- Cover any windows that face the screen with opaque draperies.
- It is desirable to install the projector 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.

## On cleaning

- To keep the cabinet looking brand-new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents, such as thinner or benzene, or abrasive cleansers since these will damage the cabinet.
- 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.

## 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 CRT burns

When a static picture of a video or computer signal is displayed for more than approximately one hour, a CRT burn may result. This means that an after-image impression of the static picture remains on the screen even after the signal is changed. If it is necessary to display the same static picture for more than approximately one hour, we recommend that you set the CONTR (contrast) control to the lowest setting possible.

Also, when a picture of different size is displayed beyond a certain length of time, an after-image impression of the picture frame of smaller picture may be burnt on the screen (such as displaying a 16:9 picture on a 4:3 screen.) To avoid this, we recommend that you use the same picture size when possible. However, if it is necessary to use a different picture size, set the CONTR (contrast) control and the BRT (brightness) control of the smaller picture to the lowest setting possible. This will minimize the risk of making an after-image impression.

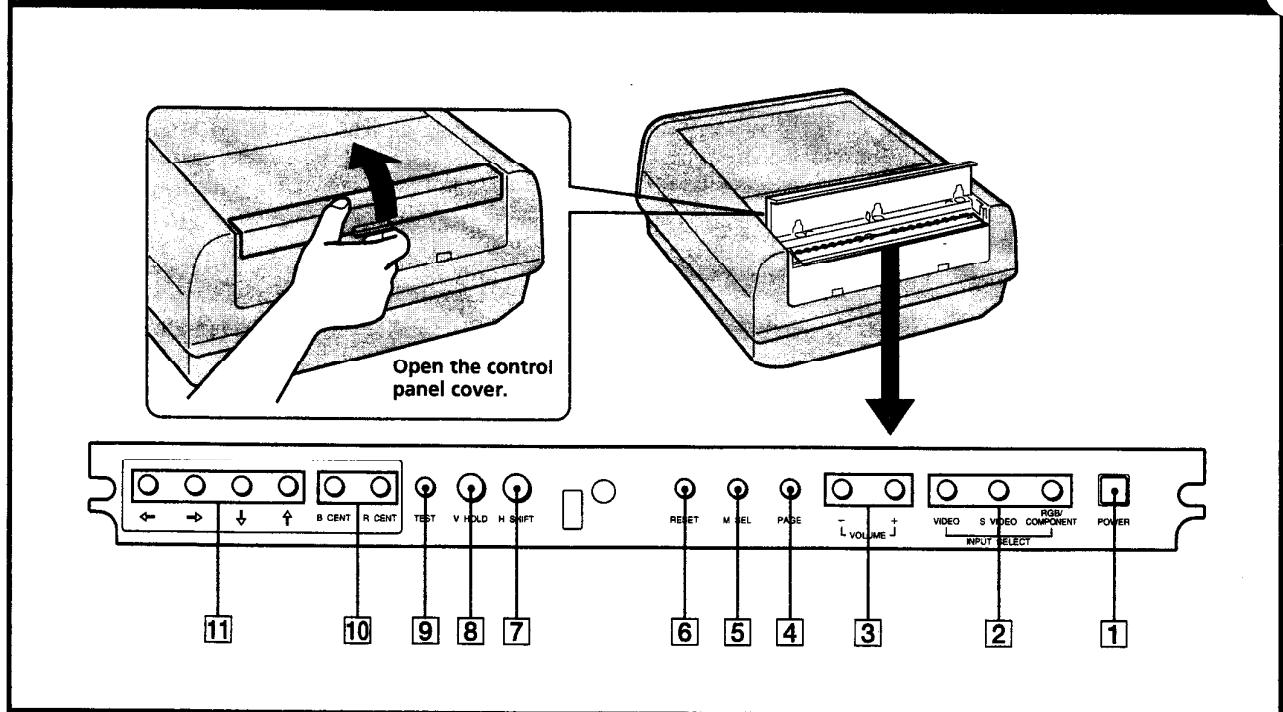
Should a CRT burn occur, the CRT must be replaced. In this event, the cost of replacing the CRT is not covered under the warranty provided with this unit. Consult your Sony dealer or qualified personnel.

## On spotting on the lens

When you look into the lens from the front side of the projector, small bubbles, or small black spots that look like dust, may be seen on the lens. These spots do not affect the image you project on the screen.

# Location and Function of Controls

## Control Panel



### 1 POWER switch

Press to turn the projector on and off.

### 2 INPUT SELECT buttons

Press to select the input signal.

**VIDEO:** to select the signal input from the LINE IN VIDEO connectors

**S VIDEO:** to select the signal input from the LINE IN S VIDEO connectors

**RGB/COMPONENT (VPH-1044Q/1044QM only):** to select the signal input from the RGB/COMPONENT IN connectors

### 3 VOLUME +/- buttons

Press to adjust volume.

**+:** to increase volume

**-:** to decrease volume

### 4 PAGE button

Press to display three on-screen displays. You can check and change various control settings. Each time you press the button, the following display appears: USER PRESET, PICTURE CONTROL and SYSTEM PRESET.

### 5 M SEL (memory select) button

Press to select the memory position of the picture adjustment levels.

### 6 RESET button

Press to restore the picture adjustment levels to the standard levels. The button functions while the PICTURE CONTROL display or the adjustment level is displayed on the screen.

### 7 H SHIFT (horizontal shift) control (VPH-1044Q/1044QM only)

Turn to adjust the horizontal position of the RGB input picture.

### 8 V HOLD (vertical hold) control

If the picture rolls vertically, turn to stabilize the picture.

### 9 TEST button

Press to display the test pattern to check the centering of the three colors, red, green and blue. To restore the normal screen, press it again.

### 10 R/B CENT buttons

Press to enter the red and blue centering adjustment mode.

**R CENT:** to enter the red centering adjustment mode.

**B CENT:** to enter the blue centering adjustment mode.

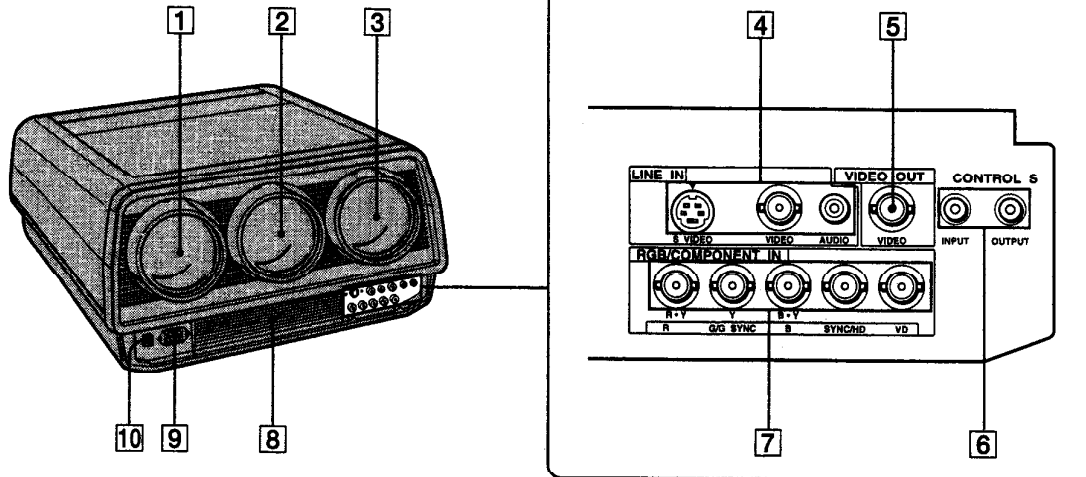
To perform the centering adjustment, use the four arrow buttons.

To return to the normal display, press the same button again.

### 11 Arrow buttons

Use these buttons for various adjustment functions.

## Front (Connector Panel)

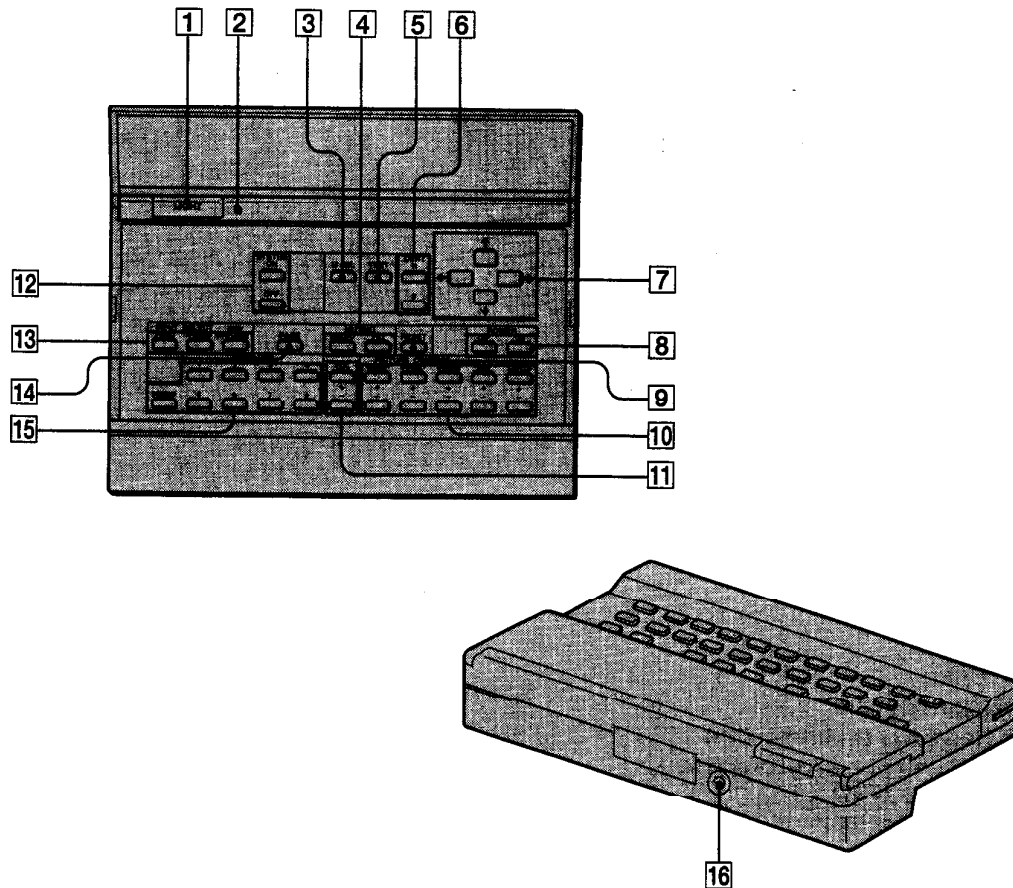


- 1 Red lens**  
**2 Green lens**  
**3 Blue lens**  
**4 LINE IN connectors**  
**S VIDEO connector (4-pin mini DIN)**  
 Connect to the S video output of a VCR.  
**VIDEO connector (BNC)**  
 Connect to the video output of a VCR.  
**AUDIO jack (phono)**  
 Connect to the audio output of video equipment.  
**5 VIDEO OUT connector (BNC)**  
 Connect to the video input of a color monitor.  
**6 CONTROL S INPUT/OUTPUT jacks**  
 Connect to the CONTROL S jacks of other Sony equipment.  
**CONTROL S INPUT (stereo mini):** Connect to the CONTROL S output jack of the supplied remote control receiver for wireless remote control with the supplied Remote Commander. If you connect to the CONTROL S OUT jack of the Remote Commander, you can use the Commander as a wired Commander.  
**CONTROL S OUTPUT (mini):** The signal from the CONTROL S INPUT jack is output. Connect to the CONTROL S INPUT jack of another projector when two or more projectors are used.  
**7 RGB/COMPONENT IN connectors (BNC) (VPH-1044Q/1044QM only)**  
**R, G/G SYNC, B, SYNC/HD, VD connectors:** Connect to the analog RGB outputs of a video camera or other video equipment.  
**R-Y, Y, B-Y connectors:** Connect to video equipment that output component signals, such as Sony Betacam.  
**8 Speaker**  
**9 AC IN socket**  
 Connect the supplied AC power cord (mains lead).  
**10 MAIN POWER switch (ON/OFF)**  
 Press to turn the main power on and off.

## Location and Function of Controls

### Remote Commander RM-PJ1044

The buttons on the Remote Commander and on the control panel of the projector with the same name have the same function.



#### 1 LIGHT button

Press to light the button indicators.  
If you do not operate any button within about 30 seconds, the light automatically goes off.

#### 2 Transmitter indicator

The light turns on each time a button is pressed. When the indicator does not light, replace the batteries.

#### 3 M SEL (memory select) button

#### 4 MUTING buttons

**AUDIO:** Press to mute the sound. To restore the sound, press it again or VOL +.

**PIC (picture):** Press to cut off the picture. To restore the picture, press it again or CONTR +.

#### 5 TEST button

#### 6 CENT R/B buttons

#### 7 Arrow buttons

#### 8 POWER ON/OFF buttons

Press to turn the projector on and off.

#### 9 RESET button

#### 10 PICTURE CONTROL buttons

Press to adjust picture condition, contrast, hue, color, brightness and sharpness.

#### 11 VOL (volume) +/- buttons



**12 STATUS ON/OFF buttons**

Press OFF to eliminate the on-screen display.  
Press ON to restore the on-screen display.

**Note**

The page displays, cautions and messages are displayed even in the OFF mode.

**13 INPUT SELECT buttons**

**14 PAGE button**

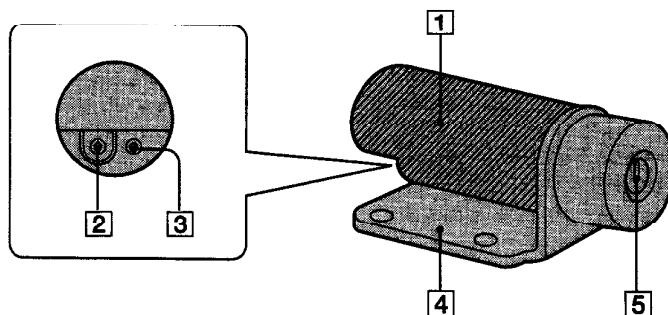
**15 SWITCHER buttons**

When the PC-1271/1271M switcher is connected, press to select the input from the switcher. When two switchers are connected, press the SECOND button, then the number buttons to select input from the second switcher (whose SINGLE/OTHER/SECOND switch is set to SECOND.)

**16 CONTROL S OUT jack (mini)**

Connect to the CONTROL S INPUT jack of the projector using the supplied remote control cable for wired remote control operation.

**Remote Control Receiver**



**1 Remote sensor (inside)**

The remote control signal transmitted from the Remote Commander passes through the casing.

**2 CONTROL S output jack (stereo mini)**

Connect to the CONTROL S INPUT jack of the projector using the supplied remote control cable for wireless remote control operation.

**3 DC IN (DC input) 6V jack**

Do not connect any equipment to this jack.

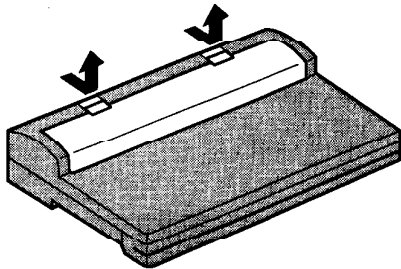
**4 Mounting bracket**

**5 Mounting bracket fastening screw**

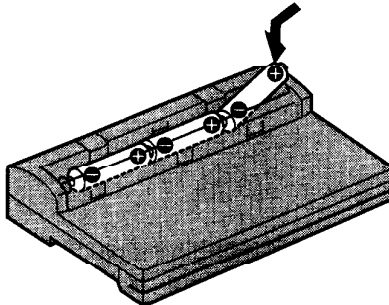
## Location and Function of Controls

### Battery installation

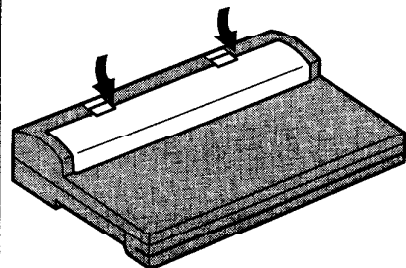
**1** Push to open the lid.



**2** Install three R6 (AA) batteries with the correct polarity.



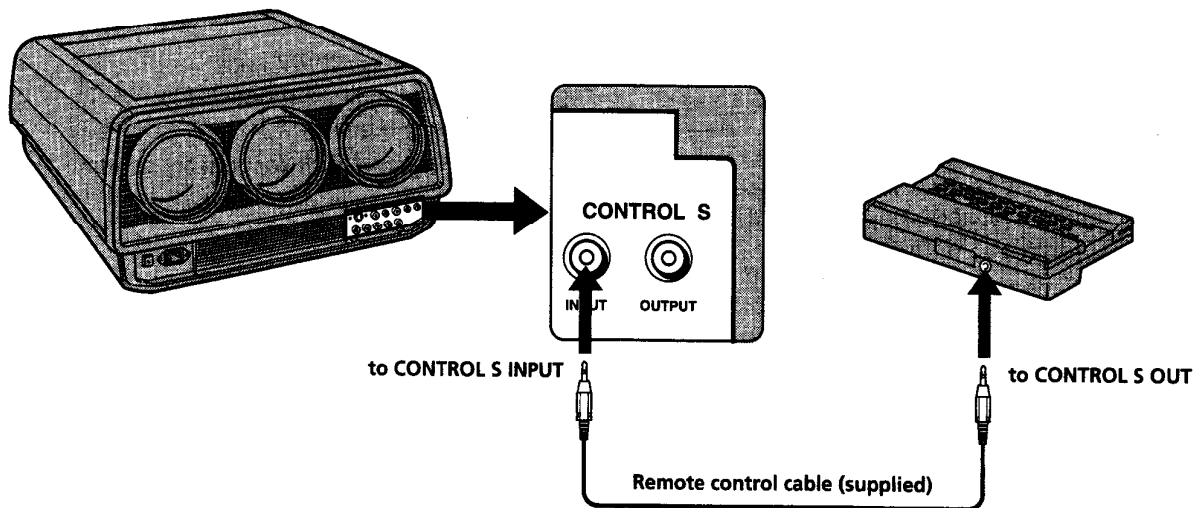
**3** Replace the lid.



### Notes

- If the projector does not operate properly, the batteries might be worn out. Replace all three of them with new batteries.
- The life of the batteries depends on frequency of usage and how often you use the LIGHT button. If they wear out quickly, replace them with new alkaline batteries.
- To avoid damage from possible battery leakage, remove the batteries when the Commander will not be used for a long time.

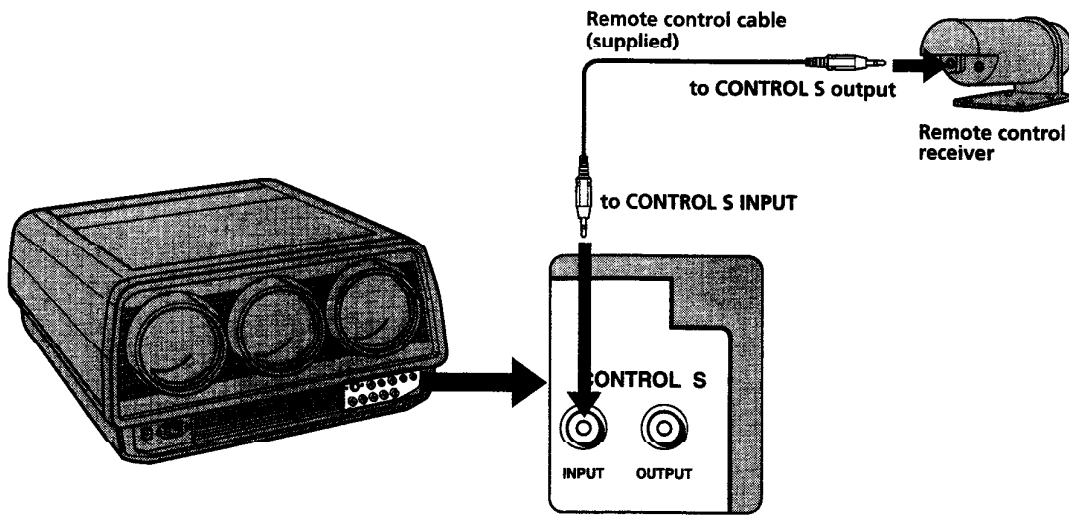
### To connect the Remote Commander to the projector for wired remote control operation



### Note

Use the 1.5 m (4.9 feet) or 15 m (49.2 feet) remote control cable (supplied) according to the distance between the projector and the Remote Commander.

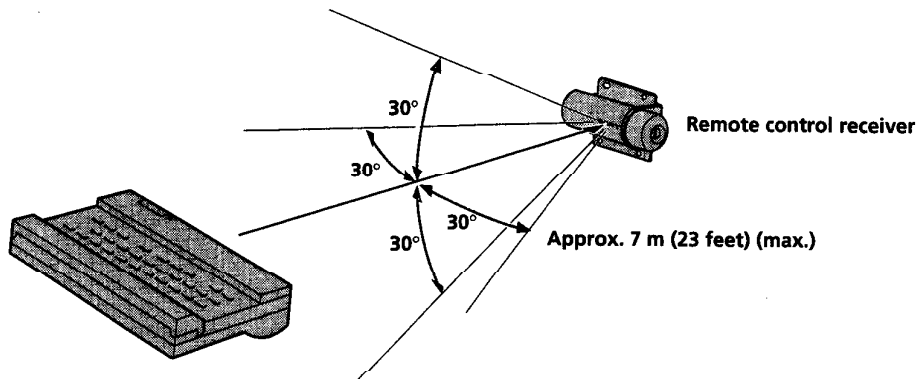
**To connect the supplied remote control receiver to the projector**



**Note**

Use the 1.5 m (4.9 feet) or 15 m (49.2 feet) remote control cable (supplied) according to the distance between the projector and the receiver.

**Operable range of wireless remote control operation**

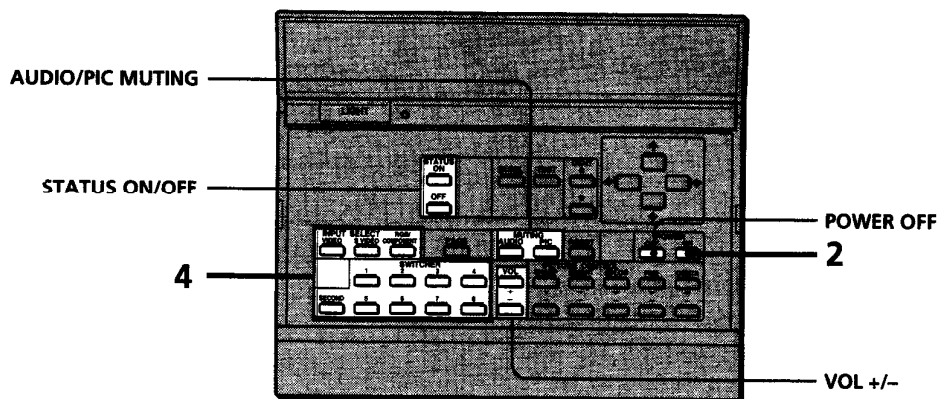
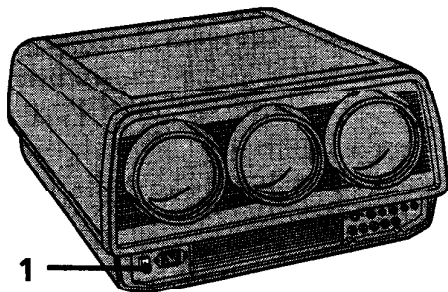


**Notes**

- Be sure that there are no obstructions between the Commander and the receiver.
- Operable range is limited. The shorter the distance between the Commander and the receiver, the wider the angle within which the Commander can control the projector.

# Projecting

You can also use the buttons on the control panel with the same names as those on the Remote Commander to operate the projector.



**1** Press down the **MAIN POWER** switch of the projector (ON).

**2** Turn on the power by pressing the **POWER ON** button.

**3** Turn on the connected equipment.

**4** Press the **INPUT SELECT** button to select the input signal to be projected.

**VIDEO:** to select the signal input from the LINE IN VIDEO connector

**S VIDEO:** to select the signal input from the LINE IN S VIDEO connector

**RGB/COMPONENT (VPH-1044Q/1044QM only):** to select the signal input from the RGB/COMPONENT IN connectors

To project the RGB or component signal, press the PAGE button until the SYSTEM PRESET display appears. Press the  $\uparrow$  or  $\downarrow$  button to select RGB/COMPONENT and select RGB or COMPONENT with the  $\leftarrow$  or  $\rightarrow$  button.

#### When the PC-1271/1271M switcher is connected

Select the input with the SWITCHER number buttons on the Remote Commander. If two switchers are connected, first press the SECOND button, then the SWITCHER number button to select the input from the second switcher (whose SINGLE/OTHER/SECOND switch is set to SECOND.)

**To turn off the power****To turn off the projector**

Press the POWER OFF button or the MAIN POWER switch on the projector.

If the projector is turned off with the MAIN POWER switch, the projector is turned on again only by the MAIN POWER switch.

**To turn off the main power**

Press the MAIN POWER switch on the projector.

If you turn off the main power with the POWER OFF button and the MAIN POWER switch, the projector is in standby mode when you press the MAIN POWER switch.

Press the POWER ON button to turn on the projector.

**To adjust the volume**

Press the VOL +/- button.

+: to increase the volume

-: to decrease the volume

**To eliminate the on-screen display**

Press the STATUS OFF button.

The page displays, cautions and messages are displayed even in OFF mode.

To restore the on-screen display, press the STATUS ON button.

**To cut off the sound or picture****To mute the sound**

Press the AUDIO MUTING button. To restore the sound, press the AUDIO MUTING button again or VOL + button.

**To cut off the picture**

Press the PIC MUTING button. To restore the picture, press the PIC MUTING button again or CONTR + button.

**If the picture rolls vertically**

Turn the V HOLD control on the projector until the picture stabilizes.

**To adjust the horizontal position of the RGB input picture (VPH-1044Q/1044QM only)**

Turn the H SHIFT control until the picture fits the screen.

## Adjusting the Picture

Three adjustment level patterns for the video and component input pictures and one pattern for the RGB input picture, respectively, are stored in the projector's memory. You can recall them by pressing the M SEL button.

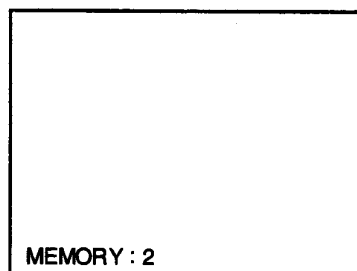
### 1 Press the M SEL button to select the memory position 1, 2 or 3.

Each time you press the button, the memory position changes as follows: MEMORY 1 → MEMORY 2 → MEMORY 3 → MEMORY STD (standard).

In the MEMORY STD position, the adjustment levels are preset to the standard levels set at the factory, and you can not change them.

#### Note

When the input signal is RGB, the memory position changes as follows: MEMORY 1 → MEMORY STD.



### 2 Press the PICTURE CONTROL button.

The adjustment levels are digitally displayed on the screen having a range of MIN, 1, 2, ..., 98, 99, MAX.

**CONTR +/- keys**    +: to increase picture contrast  
                             -: to decrease picture contrast

**HUE +/- keys**        +: to make skin tones greenish  
                             -: to make skin tones purplish

**COLOR +/- keys**    +: to increase color intensity  
                             -: to decrease color intensity

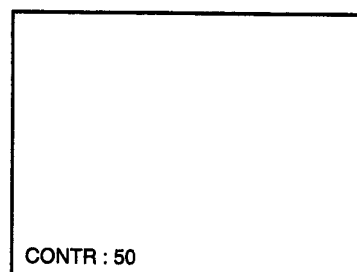
**BRIGHT +/- keys**    +: to make the picture brighter  
                             -: to make the picture darker

**SHARP +/- keys**    +: to make the picture sharper  
                             -: to make the picture softer

The adjustment levels are stored in the selected memory position.

#### Notes

- The COLOR, SHARP and HUE controls do not function when the input signal is RGB or when no signal is input.
- The HUE control does not function when the input signal is PAL, SECAM or COMPONENT.
- The COLOR and HUE controls do not function when the input signal is black and white.



**To recall the picture adjustment levels stored in the memory position**

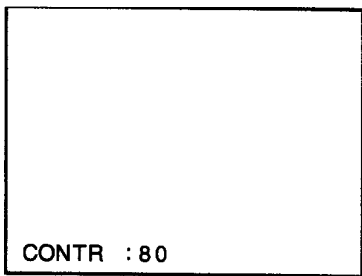
**Press the M SEL button.**

Each time you press the M SEL button, you can select the following memory positions : MEMORY 1 → MEMORY 2 → MEMORY 3 → MEMORY STD

**To restore the factory preset level**

**Press the RESET button while the picture control item is displayed.**

The factory preset level is displayed.



**When you select the MEMORY STD position**

You can obtain the picture with the standard levels for all the adjustment items. The standard levels are the same as those obtained when you press the RESET button.

## Projecting

### Displaying the Current Control Settings

Press the PAGE button to display the following on-screen displays. You can change various settings on these displays. Each time you press the PAGE button, the display switches as follows: USER PRESET → PICTURE CONTROL → SYSTEM PRESET.

#### USER PRESET

<b>VIDEO</b> NTSC3.58	<b>VIDEO (S VIDEO, RGB*, COMPONENT*)</b> *VPH-1044Q/1044QM only	Current input signal
<b>USER PRESET</b> STATUS: ON PIC MUTING: OFF AUDIO MUTING: OFF	<b>NTSC3.58 (NTSC4.43, PAL, SECAM, B &amp; W)</b>	Current input color source
	<b>STATUS: ON/OFF</b>	On-screen display does not appear in OFF mode.
	<b>PIC MUTING: ON/OFF</b>	The picture does not appear in ON mode.
	<b>AUDIO MUTING: ON/OFF</b>	The sound is muted in ON mode.

The items that do not function with the current input signal do not appear on the display.  
To change the settings, select the item with the **▲** or **▼** button and change it with the **◀** or **▶** button.

#### PICTURE CONTROL

<b>PICTURE CONTROL</b> MEMORY: 1 CONTR: 60 HUE: 50 COLOR: 50 BRIGHT: 50 SHARP: 50	The current picture condition of each memory position, contrast, hue, color, brightness and sharpness, is displayed. The controls that do not function with the current input signal do not appear on the display. To check other memory positions, press the <b>▲</b> or <b>▼</b> button to select MEMORY and select the desired memory position with the <b>◀</b> or <b>▶</b> button. To adjust the picture adjustment levels, select the item with the <b>▲</b> or <b>▼</b> button (the selected item is colored yellow) and adjust it with the <b>◀</b> or <b>▶</b> button. For details on adjustment, see page 14.
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**To restore the factory preset levels for all the items**

Press the RESET button while the PICTURE CONTROL display is displayed. The factory preset levels for all the items are displayed.

PICTURE CONTROL  
 MEMORY : 1  
 CONTR : 80  
 HUE : 50  
 COLOR : 50  
 BRIGHT : 50  
 SHARP : 50

SELECT ADJ NEXT

**SYSTEM PRESET**

SYSTEM PRESET  
 D PICTURE : OFF  
 Y DELAY : STD  
 CENT ADJ : INT  
 RGB / COMPONENT :  
                   RGB  
 LANGUAGE : ENGLISH

SELECT SET EXIT

**D PICTURE**

**ON:** to enhance the contrast, providing a dynamic image.  
**OFF:** to display a dark portion faithfully according to the video source.

**Y DELAY**

Luminance and chroma (color) signals may be transmitted with a slight time lag depending on the video equipment. This results in color shift on the displayed picture.  
 If this happens, adjust the Y DELAY as follows:  
 +: when color shift is to the right  
**STD (standard):** Normally set to this position.  
 -: when color shift is to the left

**CENT ADJ**

Set when you perform the centering adjustment.  
**INT (internal):** to perform the centering adjustment with the built-in cross-hair test signal  
**EXT (external):** to perform the centering adjustment using an external signal

**RGB/COMPONENT (VPH-1044Q/1044QM only)**

Select the input signal from the RGB/COMPONENT IN connectors.  
**RGB:** to select the RGB signal  
**COMPONENT:** to select the component signal

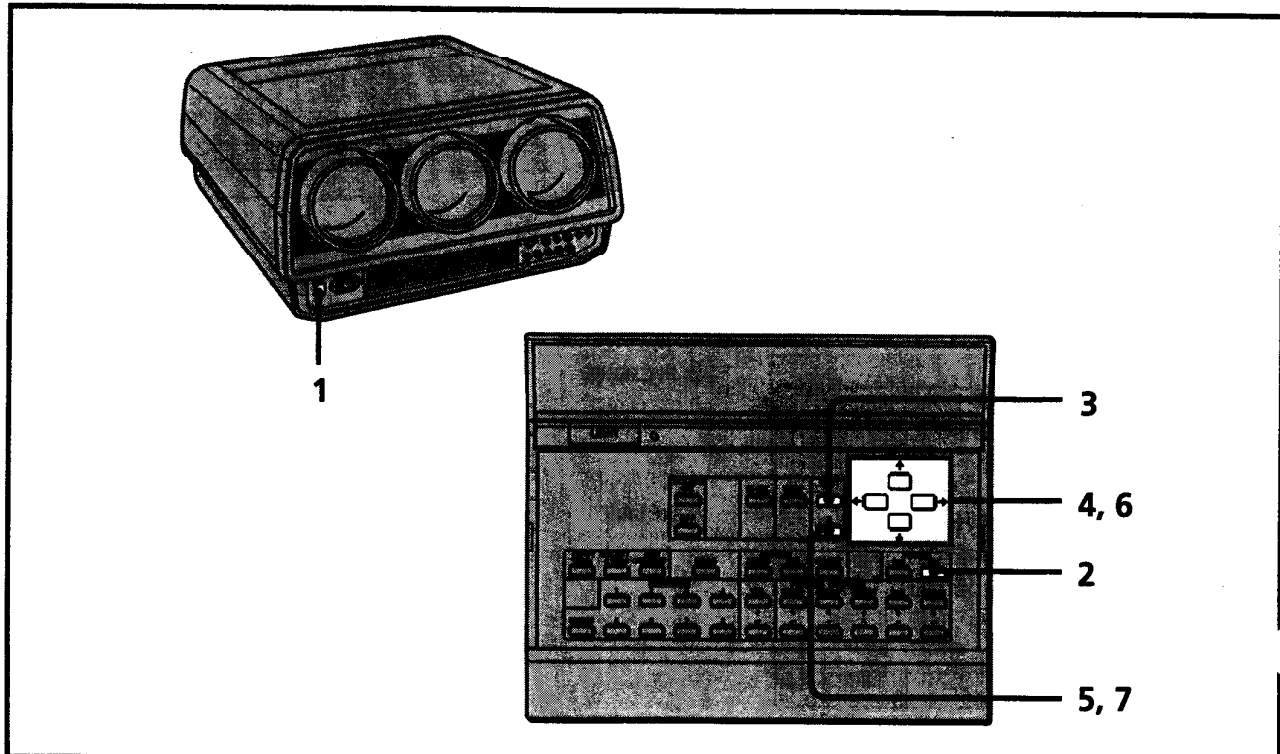
**LANGUAGE**

Select the on-screen display language if you prefer German, French, Italian or Spanish to English.  
 Each time you press the button, the language changes as follows:  
  
 Pressing the button changes the language in reverse.  
 After selecting the language, press the or button. An on-screen display in the selected language appears.

# Centering Adjustment

The three colors, red, green and blue, must converge for proper projection. If you move the projector to another location, you have to perform the centering adjustment. The following are the procedures for using a built-in test pattern.

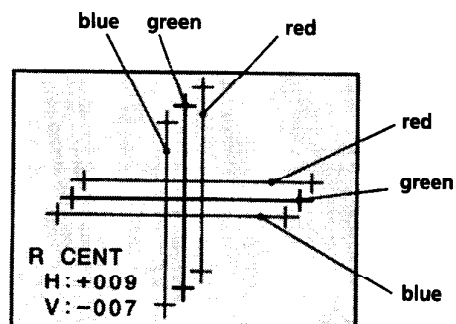
You can also perform the centering adjustment using an external test signal without displaying a test pattern. To use an external signal, change the CENT ADJ setting on the SYSTEM PRESET page. (See page 17.)



**1** Press down the MAIN POWER switch of the projector.

**2** Turn on the power by pressing the POWER ON button.

**3** Press the R CENT button. The built-in cross hair test pattern is displayed and you can adjust the red lines.

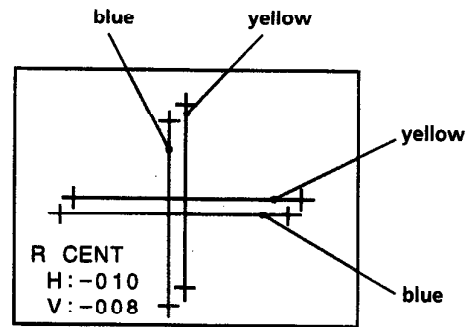


- 4** Press the arrow buttons to move the horizontal and vertical red lines until they converge with the center green lines and are seen as yellow.

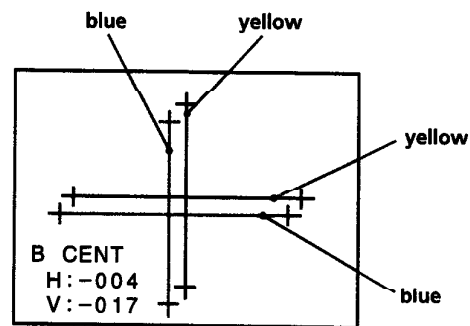
The red lines move according to the direction of the arrow.

H: Horizontal adjustment level (MIN, -126 - +126, MAX)

V: Vertical adjustment level (MIN, -126 - +126, MAX)

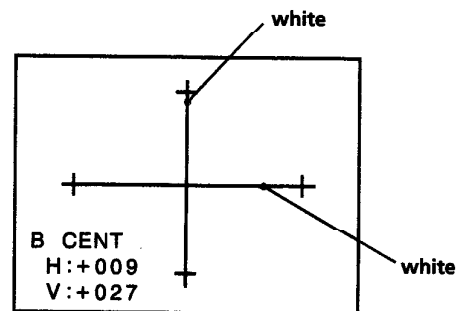


- 5** Press the B CENT button. You can adjust the blue lines.



- 6** Press the arrow buttons to move the horizontal and vertical blue lines until they converge with the yellow lines.

When all three color lines converge, the test pattern is seen as white.



- 7** Press the B CENT button. The adjustment levels are stored and the normal display is restored.

#### To check the current centering condition

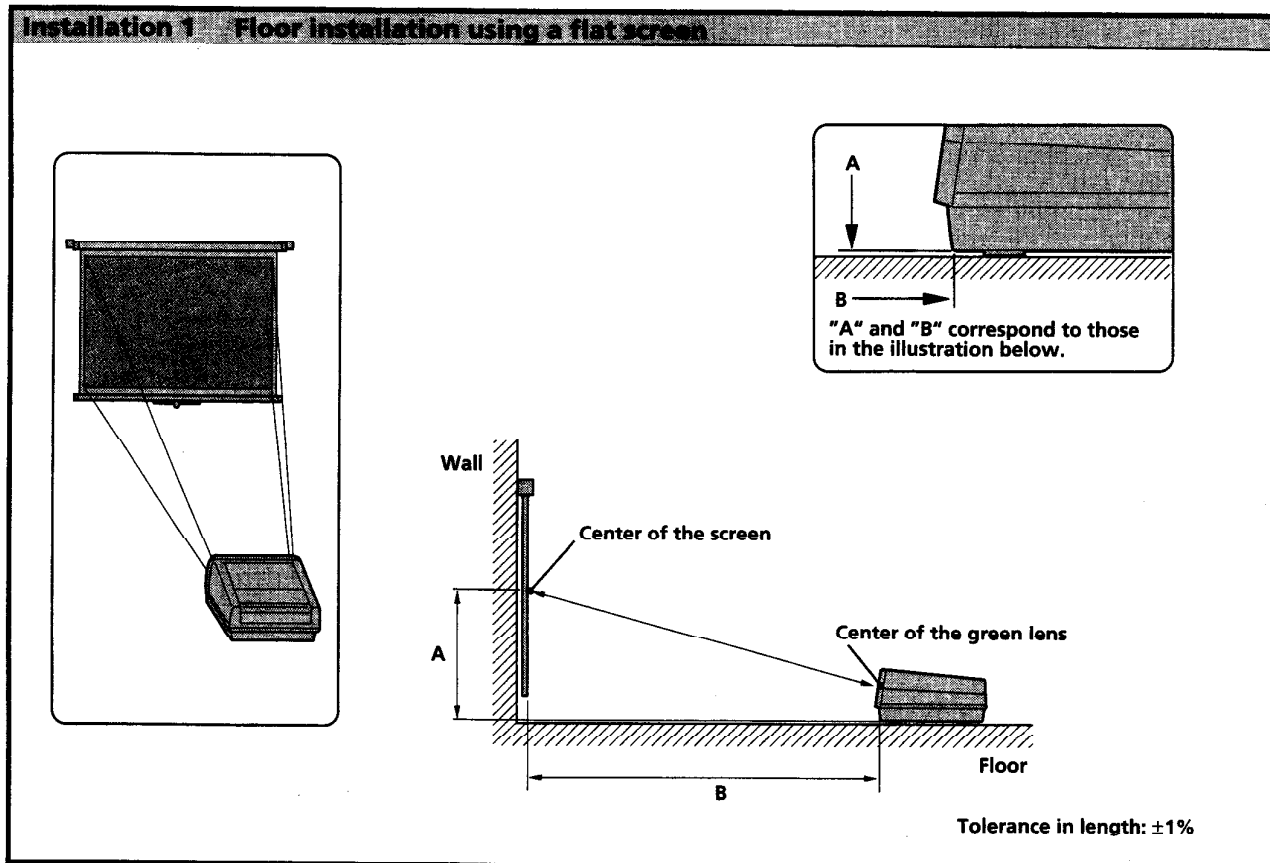
Press the TEST button. The cross-hair test pattern is displayed.

To restore the normal display, press the TEST button again.

# Installation Diagrams

Installation and preliminary adjustments should be carried out by qualified Sony personnel.

## Using the Front Projection Screen

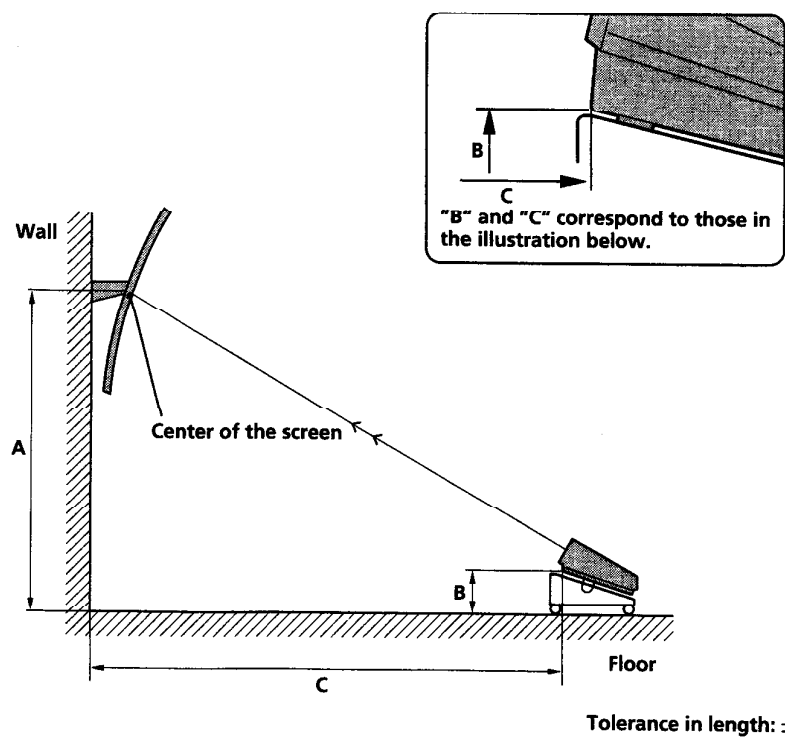
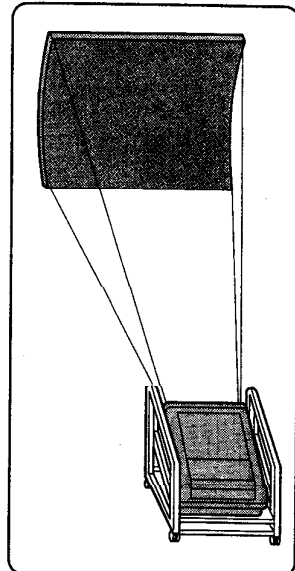


Screen size (inches)	Unit: mm (inches)	
	A	B
70	674 (26 <sup>5</sup> / <sub>8</sub> )	2,363 (93 <sup>3</sup> / <sub>8</sub> )
72	685 (27)	2,441 (96 <sup>1</sup> / <sub>8</sub> )
80	740 (29 <sup>1</sup> / <sub>4</sub> )	2,681 (105 <sup>5</sup> / <sub>8</sub> )
100*	873 (34 <sup>3</sup> / <sub>8</sub> )	3,301 (130)
120**	1,006 (39 <sup>5</sup> / <sub>8</sub> )	3,923 (154 <sup>1</sup> / <sub>2</sub> )
150	1,214 (47 <sup>7</sup> / <sub>8</sub> )	4,857 (191 <sup>1</sup> / <sub>4</sub> )
180	1,414 (55 <sup>3</sup> / <sub>4</sub> )	5,793 (228 <sup>1</sup> / <sub>8</sub> )
200	1,544 (60 <sup>7</sup> / <sub>8</sub> )	6,417 (252 <sup>3</sup> / <sub>4</sub> )
250	1,884 (74 <sup>1</sup> / <sub>4</sub> )	7,967 (313 <sup>3</sup> / <sub>4</sub> )

\* Sony screen VPS-100FH

\*\* Sony screen VPS-120FH

**Installation 2 Floor installation using a curved screen**



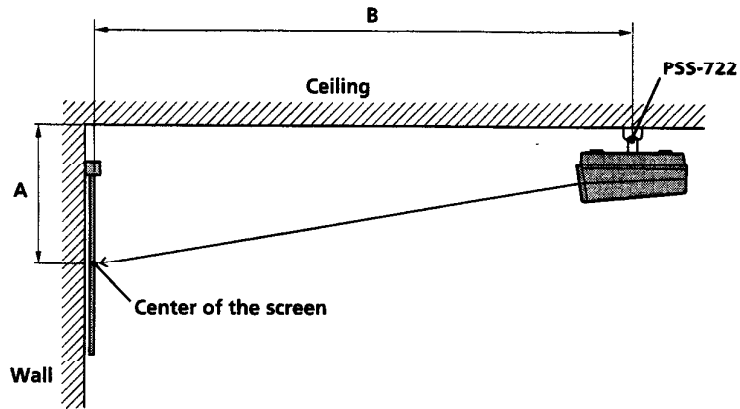
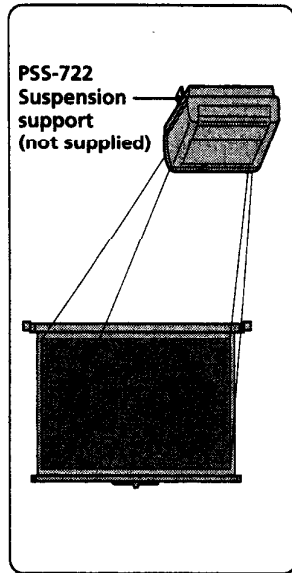
Screen size (inches)	Unit: mm (inches)		
	A	B	C
72*	1,886 (74 <sup>3</sup> / <sub>8</sub> )	537 (21 <sup>1</sup> / <sub>4</sub> )	2,330 (91 <sup>3</sup> / <sub>4</sub> )
100**	2,107 (83)	304 (12)	3,205 (126 <sup>1</sup> / <sub>4</sub> )

\* Sony screen VPS-72HG1

\*\* Sony screen VPS-100HG1

# Installation Diagrams

## Installation 3 Ceiling installation using a flat screen



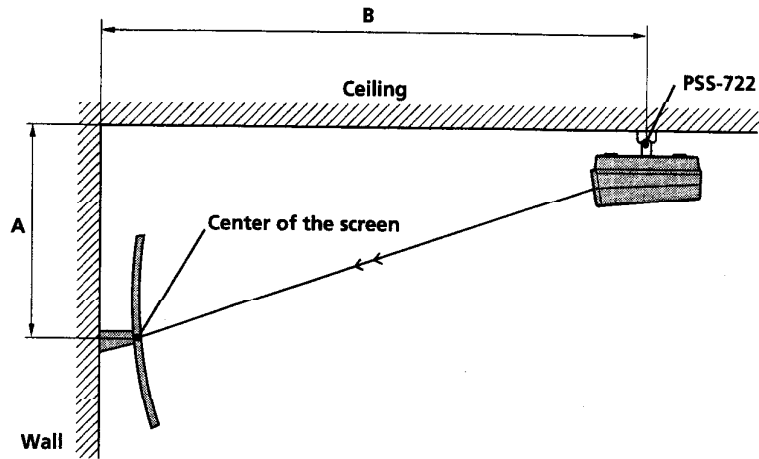
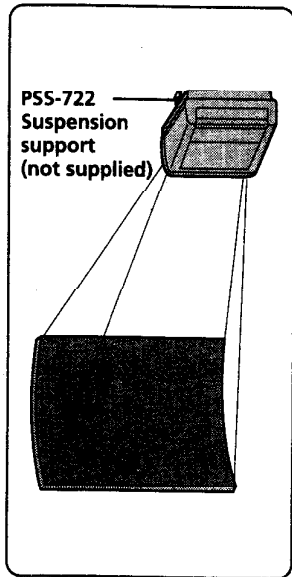
Tolerance in length:  $\pm 1\%$

Screen size (Inches)	Unit: mm (inches)	
	A	B
70	813 (32 <sup>1</sup> / <sub>8</sub> )	2,614 (103)
72	824 (32 <sup>1</sup> / <sub>2</sub> )	2,692 (106)
80	879 (34 <sup>5</sup> / <sub>8</sub> )	2,932 (114 <sup>3</sup> / <sub>4</sub> )
100*	1,012 (39 <sup>7</sup> / <sub>8</sub> )	3,552 (139 <sup>7</sup> / <sub>8</sub> )
120**	1,145 (45 <sup>1</sup> / <sub>8</sub> )	4,170 (164 <sup>3</sup> / <sub>8</sub> )
150	1,350 (53 <sup>1</sup> / <sub>4</sub> )	5,108 (201 <sup>1</sup> / <sub>8</sub> )
180	1,550 (61 <sup>1</sup> / <sub>8</sub> )	6,044 (238)
200	1,680 (66 <sup>1</sup> / <sub>4</sub> )	6,668 (262 <sup>5</sup> / <sub>8</sub> )
250	2,020 (79 <sup>1</sup> / <sub>4</sub> )	8,218 (323 <sup>5</sup> / <sub>8</sub> )

\* Sony screen VPS-100FH

\*\* Sony screen VPS-120FH

**Installation 4 Ceiling installation using a curved screen**

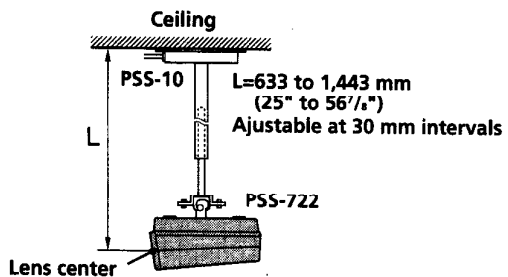


Tolerance in length: +1%

Screen size (Inches)	Unit: mm (inches)	
	A	B
72 *	1,123 (44 <sup>1</sup> / <sub>4</sub> )	2,772 (109 <sup>1</sup> / <sub>4</sub> )
100 **	1,440 (56 <sup>3</sup> / <sub>4</sub> )	3,713 (146 <sup>1</sup> / <sub>4</sub> )

\* Sony screen VPS-72HG1  
\*\* Sony screen VPS-100HG1

To adjust the distance between the ceiling and the projector, use the optional PSS-10 projector suspension support in combination with the PSS-722.

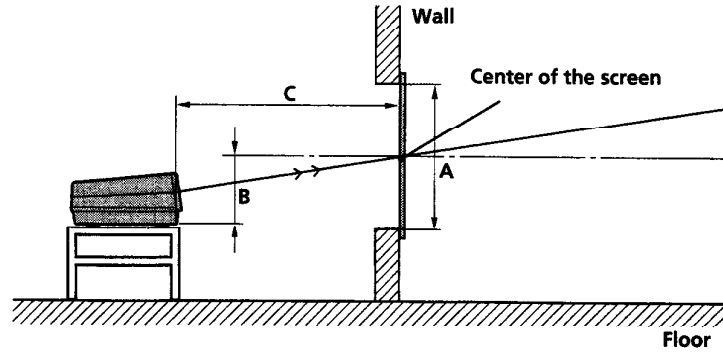
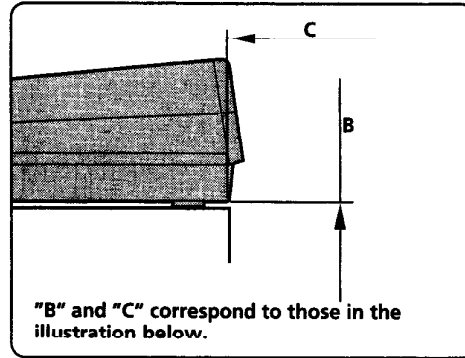
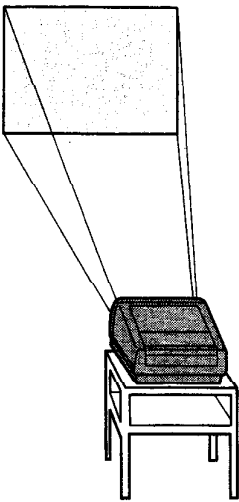


# Installation Diagrams

## Using the Rear Projection Screen

### Installation 5 Level installation on the floor

VPS-700R2/701R  
universal rear screen  
(not supplied)



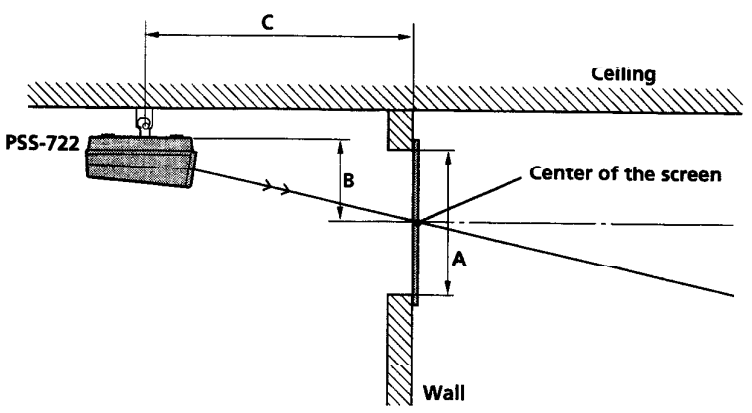
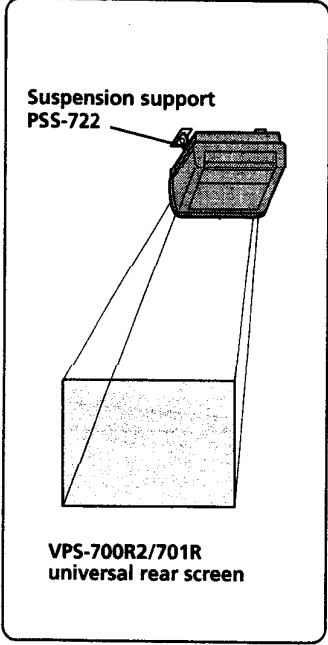
Tolerance in length:  $\pm 1\%$

Screen size (inches)	Length: mm (inches)		
	A	B	C
70*	1,067 (42 <sup>1</sup> / <sub>8</sub> )	690 (27 <sup>1</sup> / <sub>4</sub> )	2,363 (93 <sup>1</sup> / <sub>8</sub> )
100	1,524 (60 <sup>1</sup> / <sub>8</sub> )	889 (35)	3,301 (130)

\* Sony screen VPS-700R2/701R



**Installation 6 Level installation on the ceiling**



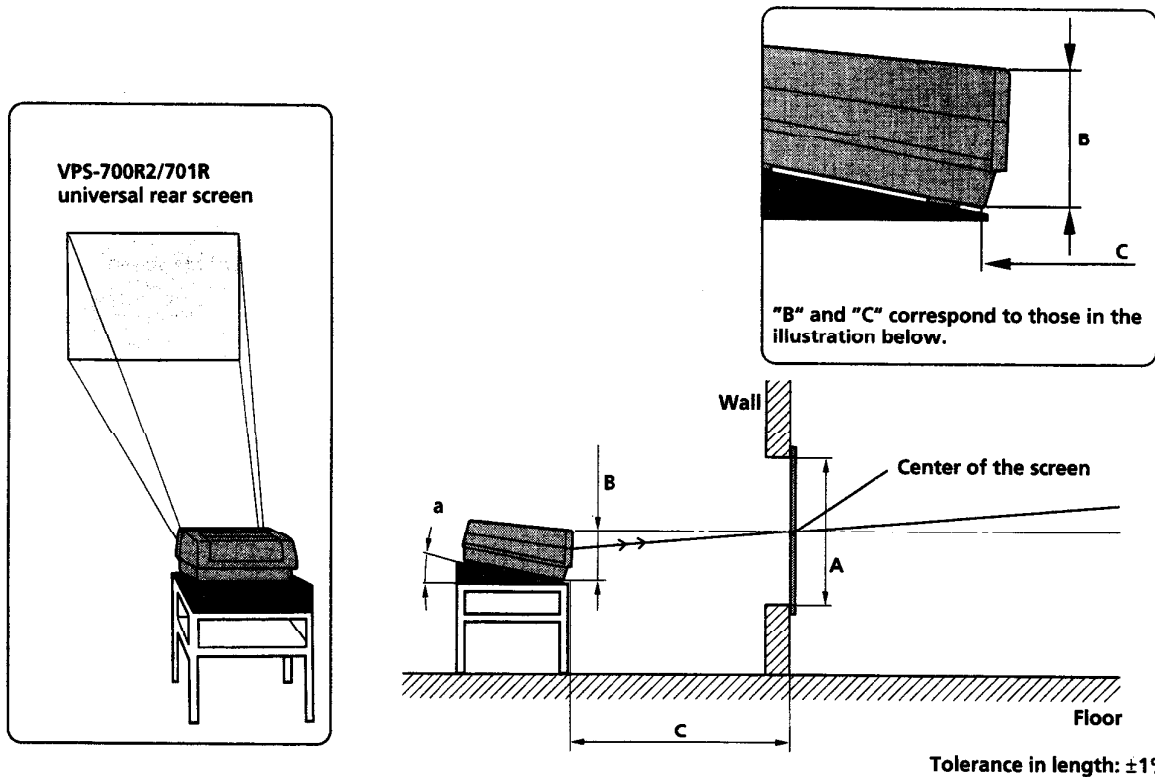
Tolerance in length: ±1%

Screen size (Inches)	Length: mm (inches)		
	A	B	C
70*	1,067 (42 <sup>1/8</sup> )	674 (26 <sup>5/8</sup> )	2,614 (103)
100	1,524 (60 <sup>1/8</sup> )	873 (34 <sup>3/8</sup> )	3,552 (139 <sup>7/8</sup> )

\* Sony screen VPS-700R2/701R

# Installation Diagrams

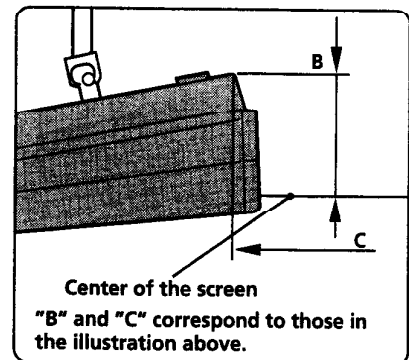
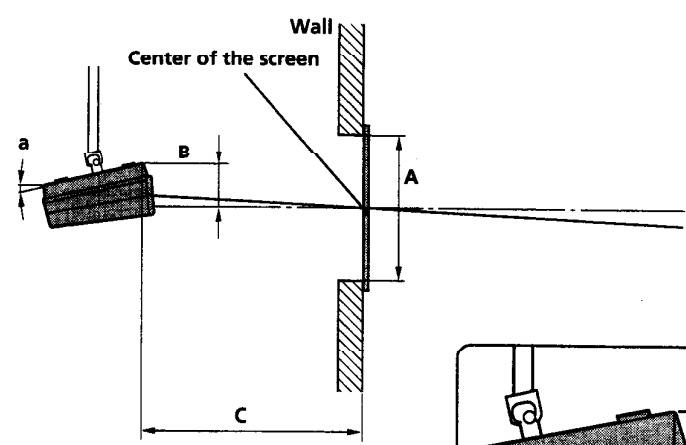
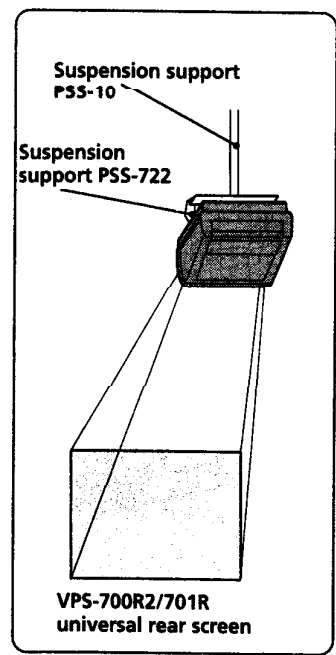
## Installation 7 Level projection, floor installation



Screen size (inches)	Length: mm (inches)			Angle (°)
	A	B	C	a
70*	1,067 (42 <sup>1/8</sup> )	165 (6 <sup>1/2</sup> )	2,439 (96 <sup>1/8</sup> )	12
	1,067 (42 <sup>1/8</sup> )	676 (26 <sup>5/8</sup> )	2,433 (95 <sup>7/8</sup> )	10
100	1,524 (60 <sup>1/8</sup> )	167 (6 <sup>5/8</sup> )	3,402 (134)	12
	1,524 (60 <sup>1/8</sup> )	715 (28 <sup>1/4</sup> )	3,402 (134)	10

\* Sony screen VPS-700R2/701R

**Installation 8 Level projection, ceiling installation**



Tolerance in length: ±1%

Screen size (inches)	Length: mm (inches)			Angle (°)
	A	B	C	b
70*	1,067 (42 <sup>1</sup> / <sub>8</sub> )	165 (6 <sup>1</sup> / <sub>2</sub> )	2,439 (96 <sup>1</sup> / <sub>8</sub> )	12
	1,067 (42 <sup>1</sup> / <sub>8</sub> )	676 (26 <sup>5</sup> / <sub>8</sub> )	2,433 (95 <sup>7</sup> / <sub>8</sub> )	10
100	1,524 (60 <sup>1</sup> / <sub>8</sub> )	167 (6 <sup>5</sup> / <sub>8</sub> )	3,402 (134)	12
	1,524 (60 <sup>1</sup> / <sub>8</sub> )	715 (28 <sup>1</sup> / <sub>4</sub> )	3,402 (134)	10

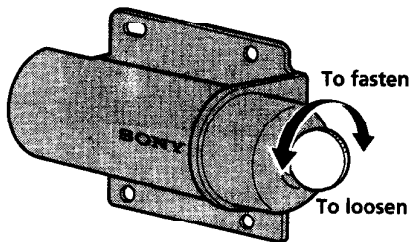
\* Sony screen VPS-700R2/701R

## Installation Diagrams

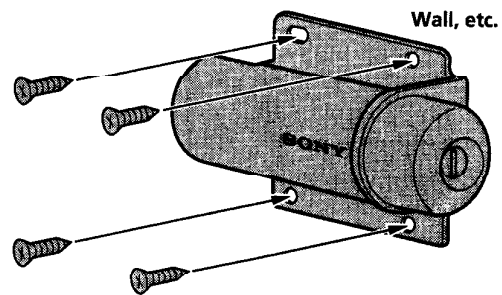
### Installing the Remote Control Receiver

For wireless remote control operation, install the supplied remote control receiver within the operable range (see page 11) with the **SONY** mark facing toward the Remote Commander.

- 1** Turn the mounting bracket fastening screw counterclockwise to loosen the bracket, move the bracket to the appropriate position and fasten it by turning the screw clockwise.



- 2** Secure the mounting bracket using the supplied screws.



#### Note

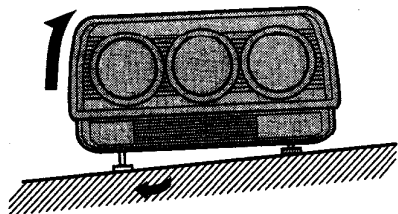
Please consult qualified Sony personnel if the supplied screws do not fit your installation location.

### Using the Adjusters

You can adjust the horizontal tilt and the angle of the projector by turning the adjusters. The adjusters are set to the shortest length at the factory.

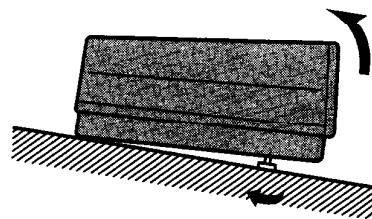
#### To adjust the horizontal tilt

Turn either adjuster to obtain horizontal balance.



#### To adjust the angle

Turn both adjusters to adjust the angle.



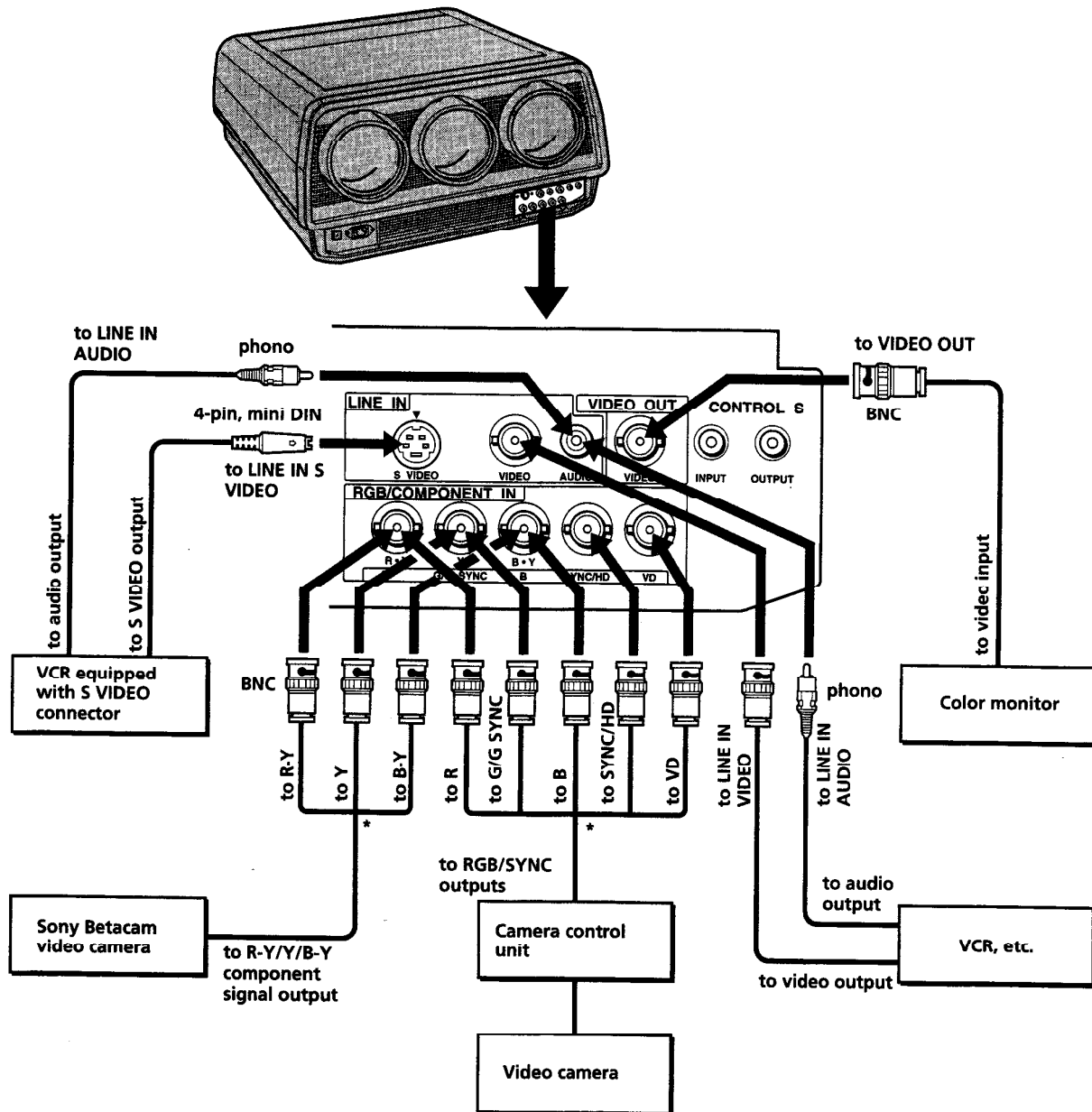
# System Connections

## Notes on connections

- First make sure that the power to each piece of equipment is turned off.
- Use suitable connecting cables according to the equipment to be connected.
- The cable connectors should be fully inserted into the connectors of the equipment.
- To disconnect the cable, pull it out by grasping the plug. Never pull the cable itself.
- Refer to the instruction manual of the equipment to be connected.

English

## Connecting to the Projector

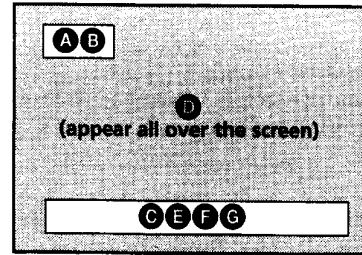


\* Connections using the RGB/COMPONENT IN connectors are for VPH-1044Q/1044QM only.

# List of the Messages

Use the list below to check the meaning of the messages displayed on the screen.

The list is divided into sections according to the location where the message appears. Check the location first, then refer to the corresponding letter for the section to find the message.



<b>A Input channel</b>	
VIDEO	Input from LINE IN VIDEO
S VIDEO	Input from LINE IN S VIDEO
RGB	Input from RGB IN
COMPONENT	Input from COMPONENT IN
NO INPUT	No signal is input
<b>B Input color source</b>	
NTSC <sub>3.58</sub>	The NTSC <sub>3.58</sub> signal is input.
NTSC <sub>4.43</sub>	The NTSC <sub>4.43</sub> signal is input.
PAL	The PAL signal is input.
SECAM	The SECAM signal is input.
B & W	Black and white signal is input.
<b>C PICTURE/VOLUME CONTROL data</b>	
CONTR	Contrast
HUE	Hue
COLOR	Color
BRIGHT	Brightness
SHARP	Sharpness
VOL	Volume
MEMORY 1/2/3/STD	Picture adjustment memory position 1, 2, 3 or standard
<b>D PAGE</b>	
<b>USER PRESET</b>	
STATUS: ON/OFF	The on-screen display is displayed or cut.
PIC MUTING: ON/OFF	The picture is cut or displayed.
AUDIO MUTING: ON/OFF	The sound is muted or not.

<b>PICTURE CONTROL</b>	
MEMORY: 1/2/3/STD CONTR HUE COLOR BRIGHT SHARP	Picture adjustment memory position 1, 2, 3 or standard Contrast Hue Color Brightness Sharpness
<b>SYSTEM PRESET</b>	
D PICTURE: ON/OFF Y DELAY: +/- /STD CENT ADJ: EXT, INT  RGB/COMPONENT: RGB/COMPONENT  LANGUAGE: ENGLISH/DEUTSCH/ FRANCAIS/ITALIANO/ESPAÑOL	The Dynamic picture feature functions or not. Color shifts left or right, or does not shift. Centering adjustment is performed with an external test signal or a built-in cross-hair test pattern. Input signal from the RGB/COMPONENT IN connectors is RGB or component. An on-screen display appears in English, German, French, Italian or Spanish.
<b>E Operation</b>	
SELECT: <input type="button" value="↑"/> <input type="button" value="↓"/> ADJ: <input type="button" value="←"/> <input type="button" value="→"/> SET: <input type="button" value="↵"/> <input type="button" value="↵"/> NEXT: <input type="button" value="PAGE"/> EXIT: <input type="button" value="PAGE"/>	Press <input type="button" value="↑"/> or <input type="button" value="↓"/> to select. Press <input type="button" value="←"/> or <input type="button" value="→"/> to adjust. Press <input type="button" value="↵"/> or <input type="button" value="↵"/> to set. Press the PAGE button to change to the next page display. Press the PAGE button to exit the page display mode.
<b>F Adjustment/adjustment data</b>	
R CENT B CENT H: xxx V:xxx	Red centering adjustment mode Blue centering adjustment mode Horizontal adjustment level (xxx=MIN, -126 - +126, MAX) Vertical adjustment level (xxx=MIN, -126 - +126, MAX)
<b>G Caution, message</b>	
Not Applicable! PIC MUTING AUDIO MUTING	The button does not function with the current condition. The PIC MUTING button is pressed. The AUDIO MUTING button is pressed.

# Specifications

## Optical

### Projection system

3 picture tubes, 3 lenses, Direct projection system

### Picture tube

7-inch high-brightness monochrome tubes, with coolant sealed

### Projection lens

VPH-1001Q/1001QM  
High-performance hybrid lenses  
F1.0/130 mm  
VPH-1044Q/1044QM  
HACC (High-resolution Aspherical and Color Corrected) lenses  
F1.0/135 mm

### Projected picture size

Factory-adjusted to 100 inches measured diagonally  
70-250 inches measured diagonally adjustable by changing the parts

### Light output

700 lm

## General

### Color system

PAL, SECAM, NTSC and NTSC<sup>4.43</sup> systems, switched automatically

### Resolution

700 TV lines (video input)  
1,000 TV lines (RGB input)(VPH-1044Q/1044QM only)

### Test signal

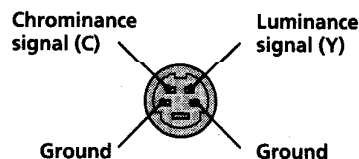
Cross-hair test pattern generator incorporated

### Speaker

5 × 9 cm (2 × 3 1/2 inches), 1 unit, 1.5 W

### Inputs

**LINE IN**  
S VIDEO: 4-pin mini DIN connector  
Y (luminance) signal: 1 Vp-p±2 dB, sync negative, 75 ohms terminated  
C (chrominance) signal: burst  
0.286 Vp-p±2 dB, 75 ohms terminated (NTSC)  
0.3 Vp-p±2 dB, 75 ohms terminated (PAL)



VIDEO: BNC connector  
Composite video input, 1 Vp-p±2 dB, sync negative, 75 ohms terminated

AUDIO: phono jack  
VPH-1001Q/1044Q: -5 dBs,  
Impedance: more than 47 kohms  
VPH-1001QM/1044QM: 500 mVrms, Impedance: more than 47 kohms

### RGB/COMPONENT IN (VPH-1044Q/1044QM only):

R,G,B: BNC connectors  
Red, green, blue inputs  
0.7 Vp-p±2 dB, 75 ohms terminated, positive  
G SYNC: BNC connector  
Sync on green input, 1 Vp-p±2 dB, 75 ohms terminated, positive  
SYNC/HD: BNC connector  
Composite sync input, 0.3-4 Vp-p, 75 ohms terminated, negative  
Horizontal sync input, 0.3-4 Vp-p, 75 ohms terminated, negative  
VD: BNC connector  
Vertical sync input, 0.3-4 Vp-p, 75 ohms terminated, negative  
R-Y, B-Y: BNC connectors  
0.7 Vp-p  
Y: BNC connector  
1.0 Vp-p, sync negative, 75 ohms terminated  
**CONTROL S INPUT:** stereo minijack, 5 Vp-p

### Outputs

**VIDEO OUT:** BNC connector  
Composite video output, 1 Vp-p±2 dB, impedance 75 ohms, output video signal from the LINE IN connector  
\* The separated Y and C signals input to the S VIDEO connector is output as a composite video signal.  
**CONTROL S OUTPUT:** minijack, 5 Vp-p

### Power requirements

VPH-1001Q/1044Q: 120V AC, 50/60 Hz  
VPH-1001QM/1044QM: 220-240 V AC, 50/60 Hz

### Power consumption

VPH-1001Q/1044Q: 230 W max, 3.0 A max.  
VPH-1001QM/1044QM: 210 W

### Dimensions

Approx. 532 × 288 × 597 mm (w/h/d)  
(21 × 11 3/8 × 23 5/8 inches)  
With the brackets pushed down, including the projection parts and controls

### Mass

VPH-1001Q/1001QM: Approx. 30 kg (66 lb 2 oz)  
VPH-1044Q/1044QM: Approx. 38 kg (83 lb 12 oz)



**Accessories supplied**

Remote Commander RM-PJ1044 with  
3 AA (R6) batteries  
Remote control receiver (1)  
Remote control cable 1.5m (4 feet  
11<sup>1</sup>/<sub>8</sub> inches)/15m (49 feet 11<sup>5</sup>/<sub>8</sub>  
inches) (1 each)  
AC power cord (1)  
Screws (4)  
Spacer for 200" front projection (4)  
0.2 mm spacer ① (9)  
0.8 mm spacer ② for 100" rear  
projection (3)

Design and specifications are subject to change without  
notice.

**Accessories (not supplied)**

Projector suspension support PSS-722, PSS-10  
Projector pedestal SU-722  
Screen VPS-100FH (100" flat)  
VPS-120FH (120" flat)  
VPS-72HG1 (72" curved)  
VPS-100HC1 (100" curved)  
VPS-700R2, VPS-701R (70" rear projection)