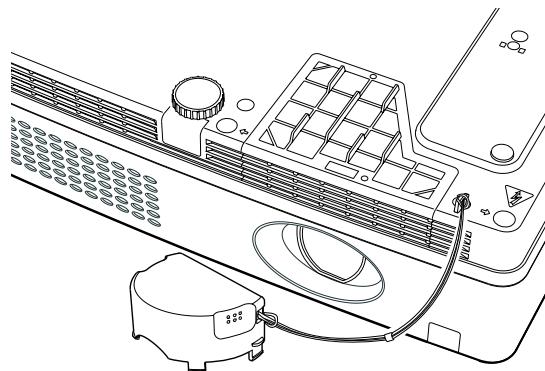


Attaching the Lens Cap

When moving this projector or while not using it over an extended period of time, replace the lens cap.

Attach the lens cap according to the following procedures.

- 1 Thread the string through the hole on the lens cap and then tie a knot in the string to secure it in place.
- 2 To pass the other end of the string into the hole on the bottom of the projector and pull at it.

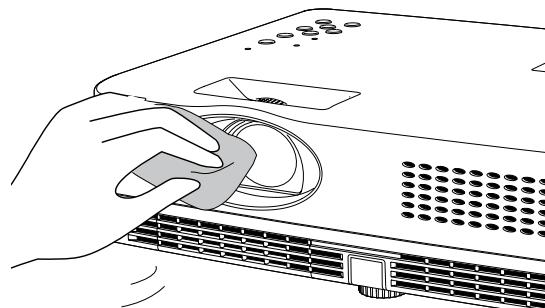


Cleaning the Projection Lens

Unplug the AC power cord before cleaning.

Gently wipe the projection lens with a cleaning cloth that contains a small amount of non-abrasive camera lens cleaner, or use a lens cleaning paper or commercially available air blower to clean the lens.

Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents, or other harsh chemicals might scratch the surface of the lens.

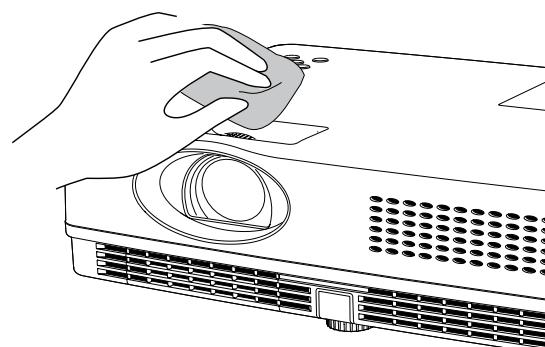


Cleaning the Projector Cabinet

Unplug the AC power cord before cleaning.

Gently wipe the projector body with a soft dry cleaning cloth. When the cabinet is heavily soiled, use a small amount of mild detergent and finish with a soft dry cleaning cloth. Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents, or other harsh chemicals might scratch the surface of the cabinet.

When the projector is not in use, put the projector in an appropriate carrying case to protect it from dust and scratches.



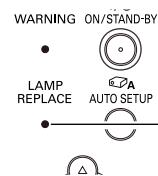
CAUTION

Do not use any flammable solvents or air sprays on the projector and in its vicinity. The explosion or fire hazard may occur even after the AC power cord is unplugged because the temperature inside the projector is extremely high due to the lamps. In addition, there is a risk that the internal parts may be damaged not only by the flammable air spray but also by the cold air.

Lamp Replacement

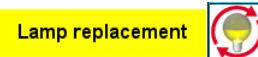
When the projection lamp of the projector reaches its end of life, the Lamp replacement icon appears on the screen and LAMP REPLACE indicator lights yellow. Replace the lamp with a new one promptly. The timing when the LAMP REPLACE indicator should light is depending on the lamp mode.

Top Control



LAMP REPLACE indicator

Lamp replacement icon



✓Note:

- The Lamp replacement icon will not appear when the Display function is set to **Off** (p.45), during **Freeze** (p.25), or **No show** (p.26).



CAUTION

Allow a projector to cool for at least 45 minutes before you open the Lamp Cover. The inside of the projector can become very hot.



CAUTION

When replacing the lamp because it has stopped illuminating, there is a possibility that the lamp may be broken.

If replacing the lamp of a projector which has been installed on the ceiling, you should always assume that the lamp is broken, and you should stand to the side of the lamp cover, not underneath it. Remove the lamp cover gently. Small pieces of glass may fall out when the lamp cover is opened. If pieces of glass get into your eyes or mouth, seek medical advice immediately.

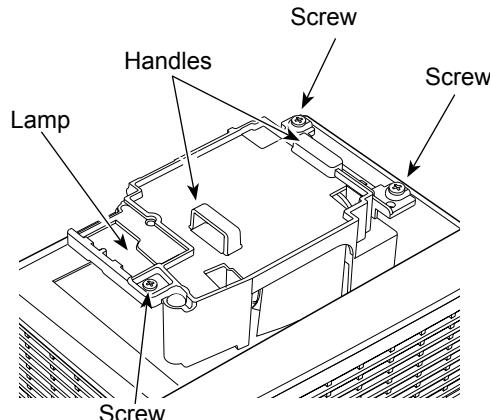
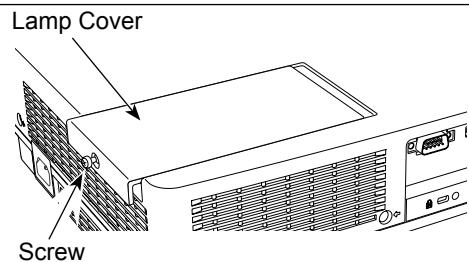


CAUTION

For continued safety, replace with a lamp of the same type. Do not drop a lamp or touch a glass bulb! The glass can shatter and may cause injury.

Follow these steps to replace the lamp.

- 1 Unplug the AC power cord. Let the projector cool for at least 45 minutes.
- 2 Loosen the screw and open the lamp cover.
- 3 Loosen the three (3) screws that secure the lamp. Lift the lamp out of the projector by using the handles.
- 4 Replace the lamp with a new one and secure the three (3) screws. Make sure that the lamp is set properly. Close the lamp cover and secure the screw.
- 5 Connect the AC power cord to the projector and turn on the projector.
- 6 **Reset the lamp replacement counter.**
See "Lamp Counter" on page 56.



ORDER REPLACEMENT LAMP

Replacement lamp can be ordered through your dealer. When ordering a projection lamp, give the following information to the dealer.

- **Model No. of your projector** : CRP-221, CRP-261
- **Replacement Lamp Type No.** : POA-LMP142
(Service Parts No. 610 349 7518)



LAMP HANDLING PRECAUTIONS

This projector uses a high-pressure lamp which must be handled carefully and properly. Improper handling may result in accidents, injury, or create a fire hazard.

- Lamp life may differ from lamp to lamp and according to the environment of use. There is no guarantee of the same life for each lamp. Some lamps may fail or terminate their life in a shorter period of time than other similar lamps.
- If the projector indicates that the lamp should be replaced, i.e., if the LAMP REPLACE indicator lights up, replace the lamp with a new one IMMEDIATELY after the projector has cooled down. (Follow carefully the instructions in the Lamp Replacement section of this manual.) Continuous use of the lamp with the LAMP REPLACE indicator lighted may increase the risk of lamp explosion.
- A Lamp may explode as a result of vibration, shock or degradation as a result of hours of use as its lifetime draws to an end. Risk of explosion may differ according to the environment or conditions in which the projector and lamp are being used.

IF A LAMP EXPLODES, THE FOLLOWING SAFETY PRECAUTIONS SHOULD BE TAKEN.

If a lamp explodes, disconnect the projector's AC plug from the AC outlet immediately. Contact an authorized service center for a checkup of the unit and replacement of the lamp. Additionally, check carefully to ensure that there are no broken shards or pieces of glass around the projector or coming out from the cooling air circulation holes. Any broken shards found should be cleaned up carefully. No one should check the inside of the projector except those who are authorized trained technicians and who are familiar with projector service. Inappropriate attempts to service the unit by anyone, especially those who are not appropriately trained to do so, may result in an accident or injury caused by pieces of broken glass.

Appendix

Troubleshooting

Before calling your dealer or service center for assistance, check the items below once again.

- Make sure you have properly connected the projector to peripheral equipment as described on pages 14-16.
- Make sure all equipment is connected to AC outlet and the power is turned on.
- When the projector does not project an image from the connected computer, restart the computer.

Problem:	– Solutions
No power	<ul style="list-style-type: none">– Plug the power cord of the projector into the AC outlet.– See if the POWER indicator lights red.– Wait until the POWER indicator stops blinking to turn on the projector again. The projector can be turned on after the POWER indicator turns red. See page 18.– Check the WARNING indicator. If the WARNING indicator lights red, projector cannot be turned on. See page 59.– Check the projection lamp. See page 62.– Unlock the Key lock function for the projector. See page 54.
The initial display is not shown.	<ul style="list-style-type: none">– Make sure Off or Countdown off are not chosen at display function. See page 45.
The initial display is not same as the default set.	<ul style="list-style-type: none">– Make sure User or Off are not chosen at Logo (select) function. See page 46.
Input signal switches automatically. (or does not switch automatically)	<ul style="list-style-type: none">– Make sure Input search function is adjusted properly. See page 44.
When the projector is on and you press the input source buttons, an icon other than the Lamp mode icon appears.	<ul style="list-style-type: none">– That is the Filter warning icon. See page 57.
An icon other than Input mode or Lamp mode icon appears.	<ul style="list-style-type: none">– That is the Lamp replacement icon or the Filter warning icon. See pages 57 or 62.
Image is out of focus.	<ul style="list-style-type: none">– Adjust focus of the projector. See page 23.– Provide proper distance between the projector and the projection screen. See page 13.– Check the projection lens to see if it needs cleaning. See page 61.– Moving the projector from a cool to warm place may result in moisture condensation on the projection lens. In such cases, leave the projector off and wait until condensation evaporates.
Image is Left/Right reversed. Image is Top/Bottom reversed.	<ul style="list-style-type: none">– Check the Ceiling/Rear function. See page 49.– Check the Ceiling function. See page 49.
Picture is not bright enough.	<ul style="list-style-type: none">– Check if the Contrast or Brightness is adjusted properly. See pages 33, 40.– Check if Image mode is selected properly. See pages 32, 39.– Check the lamp control function. See pages 25, 53.– Check the LAMP REPLACE indicator. If it lights, the end of lamp life is approaching. Replace the lamp with a new one promptly. See page 62.

No image	<ul style="list-style-type: none"> – Check the connection between your computer or video equipment and the projector. See pages 14-16. – See if the input signal is correctly output from your computer. Some laptop computers may need to change the setting for monitor output when connecting to a projector. See your computer's instruction manual for the setting. – It takes about 30 seconds to display an image after turning on the projector. See page 18. – Check the Input signal, color system, video system or computer system mode. – Make sure the temperature is not out of the specified Operating Temperature (41°F–95°F [5°C–35°C]). – When No Show is operating, the image cannot be displayed. Press the NO SHOW button or any other button on the remote control.
No sound	<ul style="list-style-type: none"> – Check the audio cable connection from audio input source. – Adjust the audio source. – Press the Volume + button. See page 24. – Press the Mute button. See page 24. – When the AUDIO OUT is plugged-in, the projector's built-in speaker is not available. – Is the image projected? You will hear the sound only when the image is projected.
The color is strange.	<ul style="list-style-type: none"> – Check the Input signal, color system, video system or computer system mode. – Make sure the Blackboard is not selected on Image select menu. See pages 32, 39.
Some displays are not seen during the operation.	<ul style="list-style-type: none"> – Check the Display function. See page 45.
Auto PC adjustment function does not work.	<ul style="list-style-type: none"> – Check the Input signal. Auto PC adjustment function can not work when 480p, 575p, 720p, 480i, 575i, 1035i or 1080i is selected. See page 29.
The setting does not remain after turning off power.	<ul style="list-style-type: none"> – Make sure you selected Store after adjusting setting. Some settings can not be stored if not registered with Store. See pages 34, 41.
Power management does not work.	<ul style="list-style-type: none"> – Power management function can not work while Freeze or No Show function is running. See page 50.
Capture function does not work.	<ul style="list-style-type: none"> – Check the connection and the input signal to see if there is signal.
Auto setup does not work properly.	<ul style="list-style-type: none"> – Make sure Off is not selected at any function of Auto setup. See page 44. – Make sure On is not selected at the Ceiling function. See page 49.
Auto keystone function does not work even when the projector is tipped.	<ul style="list-style-type: none"> – Make sure the Auto keystone function is not set to Manual. Press the AUTO SETUP button on the top control. See pages 23, 44.

Appendix

The image is distorted or runs off.	– Check PC adjust menu or Screen menu and adjust them. See pages 30-31, 34-35.
PIN code dialog box appears at start-up.	– PIN code lock is being set. Enter a PIN code (the "1234" or numbers you have set). See pages 19, 54-55.
The Remote Control does not work.	<ul style="list-style-type: none">– Check the batteries.– Make sure no obstruction is between the projector and remote control.– Make sure you are not too far from the projector when using the remote control. Maximum operating range is 16.4'(5 m).– Make sure the code of the remote control is conformed to the projector's code. See page 53.– Unlock the Key lock function for the remote control function. See page 54.
Indicator blinks or lights.	– Check the status of the projector with referring to "Indicators and projector Condition". See page 70.
The exclamation mark appears on the screen.	– Your operation is invalid. Operate correctly.
Top control does not work.	– The top control is not available if the top control is locked at Key lock under Security of SETTING section. See page 54.
Unable to unlock the Logo PIN code lock, Security key lock or Security PIN code lock.	– Contact the dealer where you purchased the projector or the service center.

WARNING :

High voltages are used to operate this projector. Do not attempt to open the cabinet.

If problems still persist after following all operating instructions, contact the dealer where you purchased the projector or the service center. Specify the model number and explain about the problem. We will advise you how to obtain service.



The CE Mark is a Directive conformity mark of the European Community (EC).



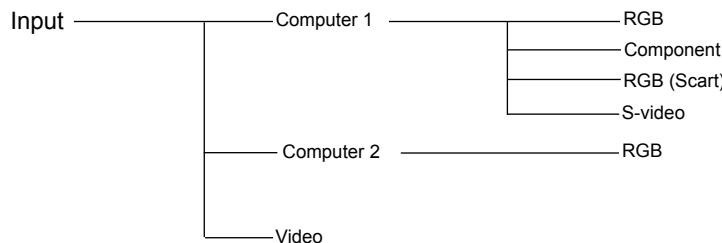
This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.

Appendix

Menu Tree

Computer Input/Video Input

Input



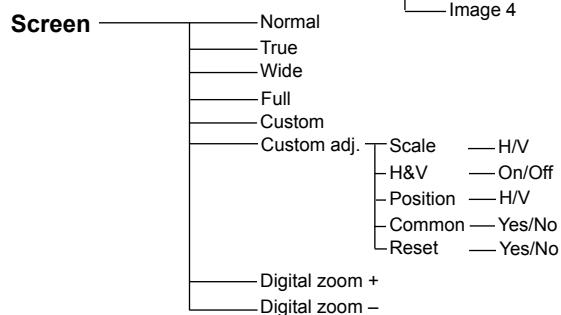
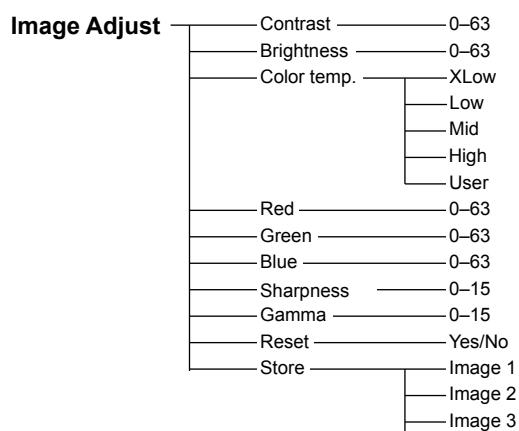
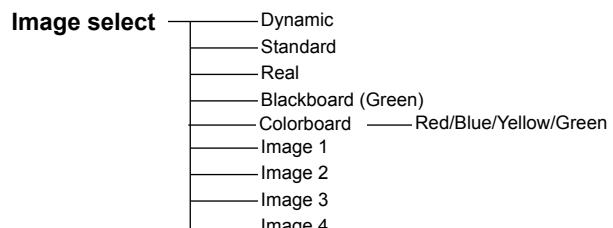
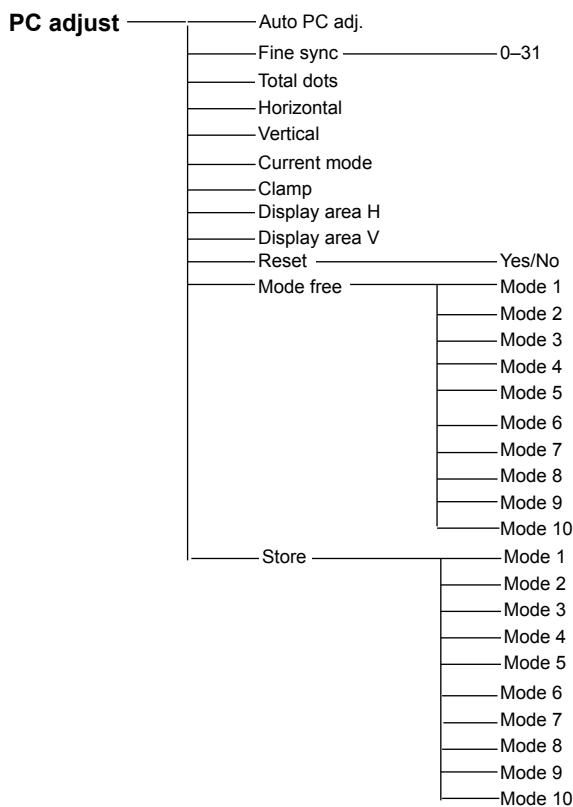
Sound



Computer Input



* Systems displayed in the System Menu vary depending on an input signal.



Video Input

Auto	System (2)	Auto 1080i 1035i 720p 575p 480p 575i 480i
Auto	System (3)	Auto PAL SECAM NTSC NTSC 4.43 PAL-M PAL-N
Image select		Dynamic Standard Cinema Blackboard (Green) Colorboard Red/Blue/Yellow/Green Image 1 Image 2 Image 3 Image 4
Image Adjust		Contrast 0-63 Brightness 0-63 Color 0-63 Tint 0-63 Color temp. XLow Low Mid High User Red 0-63 Green 0-63 Blue 0-63 Sharpness 0-15 Gamma 0-15 Noise reduction Off L1 L2 Progressive Off L1 L2 Film Reset Yes/No Store Image 1 Image 2 Image 3 Image 4
Screen		Normal Wide Custom Custom adj. Scale H/V H&V On/Off Position H/V Common Yes/No Reset Yes/No

Setting

Setting	Language 20 languages provided. Menu position Auto setup Input search Off/On1/On2 Auto PC adj. On/Off Auto keystone Auto Manual Off Keystone Keystone Store Store/Reset Background Blue/User/Black Display Off/On/Countdown off Logo Logo select Off Default User Capture Yes/No Logo PIN code lock Off/On Logo PIN code change Ceiling On/Off Rear On/Off Terminal Computer 2/Monitor out Power management Ready Shut down Off Timer (1-30 Min) Direct on On/Off Standby mode Eco/Network P-timer Count up Count down Timer Start Reset Exit Closed Caption Closed Caption Off/CC1/CC2/CC3/CC4 Color Color/White Lamp control Lamp control High/Normal/ECO Remote control Code 1-Code 2 Security Key lock Off Projector Remote control PIN code lock Off/On1/On2 PIN code change Fan L1/L2 Fan control Off/On1/On2 Video delay control Off/On Lamp counter Lamp counter H Lamp counter reset Yes/No Filter counter Filter counter H Timer Off/100H/200H/300H Filter counter reset Yes/No Warning log Factory default Yes/No Information Input Source Information Display
----------------	--

Indicators and Projector Condition

Check the indicators for projector condition.

Indicators			Projector Condition
POWER red/green	WARNING red	LAMP REPLACE yellow	
●	●	●	The projector is off. (The AC power cord is unplugged.)
○	●	*	The projector is in stand-by mode. Press the ON/STAND-BY button to turn on the projector.
○	●	*	The projector is operating normally.
○	●	*	The projector is preparing for stand-by or the projection lamp is being cooled down. The projector cannot be turned on until cooling is completed and the POWER indicator stops blinking.
○	●	*	The projector is in the Power management mode.
○	○	*	The temperature inside the projector is abnormally high. The projector cannot be turned on. When the projector is cooled down enough and the temperature returns to normal, the POWER indicator stops blinking and the projector can be turned on. (The WARNING indicator keeps blinking.)
○	○	*	The projector has been cooled down enough and the temperature returns to normal. When turning on the projector, the WARNING indicator stops blinking.
●	○	*	The projector detects an abnormal condition and cannot be turned on. Unplug the AC power cord and plug it again to turn on the projector. If the projector is turned off again, unplug the AC power cord and contact the dealer or the service center for service and checkup. Do not leave the projector on. It may cause an electric shock or a fire hazard.

○ ... green.

○ ... red

● ... off

○ ... blinks green.

○ ... blinks red.

* When the projection lamp reaches its end of life, the LAMP REPLACE indicator lights yellow. When this indicator lights yellow, replace the projection lamp with a new one promptly. (pp. 56, 62)

Compatible Computer Specifications

Basically this projector can accept the signal from all computers with the V-, H-Frequency mentioned below and less than 140 MHz of Dot Clock.

When selecting these modes, PC adjustment can be limited.

ON-SCREEN DISPLAY	RESOLUTION	H-Freq. (KHz)	V-Freq. (Hz)	ON-SCREEN DISPLAY	RESOLUTION	H-Freq. (KHz)	V-Freq. (Hz)
VGA 1	640 x 480	31.47	59.88	SXGA 5	1280 x 1024	63.74	60.01
VGA 2	720 x 400	31.47	70.09	SXGA 6	1280 x 1024	71.69	67.19
VGA 3	640 x 400	31.47	70.09	SXGA 7	1280 x 1024	81.13	76.107
VGA 4	640 x 480	37.86	74.38	SXGA 8	1280 x 1024	63.98	60.02
VGA 5	640 x 480	37.86	72.81	SXGA 9	1280 x 1024	79.976	75.025
VGA 6	640 x 480	37.50	75.00	SXGA 10	1280 x 960	60.00	60.00
VGA 7	640 x 480	43.269	85.00	SXGA 11	1152 x 900	61.20	65.20
MAC LC13	640 x 480	34.97	66.60	SXGA 12	1152 x 900	71.40	75.60
MAC 13	640 x 480	35.00	66.67	SXGA 13	1280 x 1024	50.00	^{86.00} _(Interlace)
480p	640 x 480	31.47	59.88	SXGA 14	1280 x 1024	50.00	^{94.00} _(Interlace)
575p	768 x 575	31.25	50.00	SXGA 15	1280 x 1024	63.37	60.01
480i	640 x 480	15.734	^{60.00} _(Interlace)	SXGA 16	1280 x 1024	76.97	72.00
575i	768 x 576	15.625	^{50.00} _(Interlace)	SXGA 17	1152 x 900	61.85	66.00
SVGA 1	800 x 600	35.156	56.25	SXGA 18	1280 x 1024	46.43	^{86.70} _(Interlace)
SVGA 2	800 x 600	37.88	60.32	SXGA 19	1280 x 1024	63.79	60.18
SVGA 3	800 x 600	46.875	75.00	SXGA 20	1280 x 1024	91.146	85.024
SVGA 4	800 x 600	53.674	85.06	SXGA+ 1	1400 x 1050	63.97	60.19
SVGA 5	800 x 600	48.08	72.19	SXGA+ 2	1400 x 1050	65.35	60.12
SVGA 6	800 x 600	37.90	61.03	SXGA+ 3	1400 x 1050	65.12	59.90
SVGA 7	800 x 600	34.50	55.38	MAC21	1152 x 870	68.68	75.06
SVGA 8	800 x 600	38.00	60.51	MAC	1280 x 960	75.00	75.08
SVGA 9	800 x 600	38.60	60.31	MAC	1280 x 1024	80.00	75.08
SVGA 10	800 x 600	32.70	51.09	WXGA 1	1366 x 768	48.36	60.00
SVGA 11	800 x 600	38.00	60.51	WXGA 2	1360 x 768	47.70	60.00
MAC 16	832 x 624	49.72	74.55	WXGA 3	1376 x 768	48.36	60.00
MAC 19	1024 x 768	60.24	75.08	WXGA 4	1360 x 768	56.16	72.00
XGA 1	1024 x 768	48.36	60.00	WXGA 6	1280 x 768	47.776	59.87
XGA 2	1024 x 768	68.677	84.997	WXGA 7	1280 x 768	60.289	74.893
XGA 3	1024 x 768	60.023	75.03	WXGA 8	1280 x 768	68.633	84.837
XGA 4	1024 x 768	56.476	70.07	WXGA 9	1280 x 800	49.600	60.050
XGA 5	1024 x 768	60.31	74.92	WXGA 10	1280 x 800	41.200	50.000
XGA 6	1024 x 768	48.50	60.02	WXGA 11	1280 x 800	49.702	59.810
XGA 7	1024 x 768	44.00	54.58	WXGA 12	1280 x 800	63.98	60.02
XGA 8	1024 x 768	63.48	79.35	WUXGA 1	1920 x 1200	74.556	59.885
XGA 9	1024 x 768	36.00	^{87.17} _(Interlace)	WUXGA 2	1920 x 1200	74.038	59.950
XGA 10	1024 x 768	62.04	77.07	WSXGA+ 1	1680 x 1050	65.290	59.954
XGA 11	1024 x 768	61.00	75.70	WXGA+ 1	1440 x 900	55.935	59.887
XGA 12	1024 x 768	35.522	^{86.96} _(Interlace)	WXGA+ 2	1440 x 900	74.918	60.000
XGA 13	1024 x 768	46.90	58.20	UXGA 1	1600 x 1200	75.00	60.00
XGA 14	1024 x 768	47.00	58.30	UXGA 2	1600 x 1200	81.25	65.00
XGA 15	1024 x 768	58.03	72.00	UXGA 3	1600 x 1200	87.5	70.00
SXGA 1	1152 x 864	64.20	70.40	UXGA 4	1600 x 1200	93.75	75.00
SXGA 2	1280 x 1024	62.50	58.60	720p	1280 x 720	45.00	60.00
SXGA 3	1280 x 1024	63.90	60.00	720p	1280 x 720	37.50	50.00
SXGA 4	1280 x 1024	63.34	59.98	1035i	1920 x 1035	33.75	^{60.00} _(Interlace)
				1080i	1920 x 1080	33.75	^{60.00} _(Interlace)
				1080i	1920 x 1080	28.125	^{50.00} _(Interlace)

✓Note:

The specifications are subject to change without notice.

Technical Specifications

Mechanical Information

Projector Type	Classroom Projector
Dimensions (W x H x D)	13.13" x 3.35" x 9.72" (333.5mm x 85.2mm x 247.0mm) (Not including protrusions)
Net Weight	5.7 lbs (2.6 kg)
Foot Adjustment	0° to 10°

Panel Resolution

LCD Panel System	0.55" TFT Active Matrix type, 3 panels
Panel Resolution	1,024 x 768 dots
Number of Pixels	2,359,296 (1,024 x 768 x 3 panels)

Signal Compatibility

Color System	PAL, SECAM, NTSC, NTSC4.43, PAL-M, and PAL-N
SD/HD TV Signal	480i, 480p, 575i, 575p, 720p, 1035i, and 1080i
Scanning Frequency	H-sync. 15 kHz–100 kHz, V-sync. 50–100 Hz

Optical Information

Projection Image Size (Diagonal)	Adjustable from 40" to 300"
Throw Distance	4.3' - 38.7' (1.30m - 11.80m)
Projection Lens	F 2.0 ~ 2.15 lens with f 18.38 mm ~ 22.06 mm with manual zoom and focus
Projection Lamp	215 W

Interface

Video Input Jack	RCA Type x 1
Audio Input Jack	Mini Jack(stereo) x 1
Computer In 1/S-video In	Mini D-sub 15 pin x 1
/Component Input Jack	
Computer In 2 / Monitor Out Terminal	Mini D-sub 15 pin x 1
Control port	D-sub 9 pin x 1
Audio Output Jack	Mini Jack (stereo) x 1 (variable)
LAN Connection Terminal	RJ45
DC Output Jack	DC 12V, 1.1A

Audio

Internal Audio Amp	1.0 W RMS
Built-in Speaker	1 speaker, ø1.1" (28mm)

Power

Voltage and Power Consumption	CRP-221, CRP-261: AC 100–120 V (3.6A Max. Ampere), 50/60 Hz (The U.S.A and Canada) AC 100–240 V (3.6A -2.0A Max. Ampere), 50/60 Hz (For other countries)
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Operating Environment

Operating Temperature	41°F–95°F (5 °C–35 °C)
Storage Temperature	14°F–140°F (-10°C–60 °C)

Remote Control

Battery	AAA or LR03 1.5V ALKALINE TYPE x 2
Operating Range	16.4' (5 m)/±30°
Dimensions	2.0" (W) x 0.7" (H) x 4.3" (D) (52 mm x 18 mm x 110 mm)
Net Weight	2.37 oz (67 g) (including batteries)

Accessories

Owner's Manual (CD-ROM)
Quick Reference Guide & Safety Manual
AC Power Cord
Remote Control and Batteries
VGA/DC power combined cord
Lens Cap with String
PIN Code Label
Network Application (CD-ROM)
Ferrite core

- The specifications are subject to change without notice.
- LCD panels are manufactured to the highest possible standards. Even though 99.99% of the pixels are effective, a tiny fraction of the pixels (0.01% or less) may be ineffective by the characteristics of the LCD panels.

Optional Parts

The parts listed below are optionally available. When ordering those parts, specify the item name and Model No. to the sales dealer.

Model No.

COMPONENT-VGA Cable	: POA-CA-COMPVGA
S-video-VGA Cable	: POA-CA-VGAS
SCART-VGA Cable	: POA-CA-SCART
VGA-Cable (10 m)	: KA-MC-DB10

PJ Link Notice

This projector is compliant with PJLink Standard Class 1 of JBMIA (Japan Business Machine and Information System Industries Association). This projector supports all commands defined by PJLink Class 1 and is verified conformance with PJLink Standard Class 1.

For PJ Link password, see the owner's manual of "Network Set-up and Operation."

Projector Input		PJLink Input	Parameter
Computer 1	RGB	RGB 2	12
	Component	RGB 3	13
	RGB (Scart)	RGB 5	15
	S-video	RGB 4	14
Computer 2	RGB	RGB 1	11
Video	Video	VIDEO 2	22

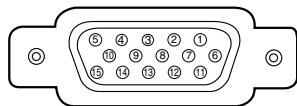
PJLink is a registered trademark of JBMIA and pending trademark in some countries.



Configurations of Terminals

COMPUTER IN 1 / S-VIDEO IN/ COMPONENT IN

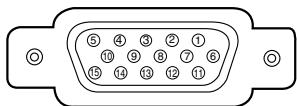
Terminal: Analog RGB (Mini D-sub 15 pin)



1	Red/Cr/S-C Input	9	+5V Power
2	Green/Y/S-Y Input	10	Ground (Vert.sync.)
3	Blue/Cb/--- Input	11	Ground
4	-----	12	DDC Data
5	Ground (Horiz.sync.)	13	Horiz. sync. Input/Output (Composite H/V sync.)
6	Ground (Red)	14	Vert. sync.
7	Ground (Green)	15	DDC Clock
8	Ground (Blue)		

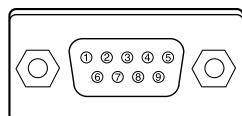
COMPUTER IN 2/MONITOR OUT (ANALOG)

Terminal: Analog RGB (Mini D-sub 15 pin)



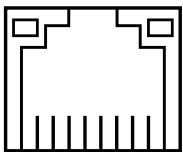
1	Red Input/Output	9	-----
2	Green Input/Output	10	Ground (Vert.sync.)
3	Blue Input/Output	11	-----
4	-----	12	-----
5	Ground (Horiz.sync.)	13	Horiz. sync. Input/Output
6	Ground (Red)	14	Vert. sync.
7	Ground (Green)	15	-----
8	Ground (Blue)		

CONTROL PORT CONNECTOR (D-sub 9 pin)



	Serial
1	-----
2	R X D
3	T X D
4	-----
5	SG
6	-----
7	RTS
8	CTS
9	-----

LAN TERMINAL



87654321

1	TX +	5	-----
2	TX -	6	RX -
3	RX +	7	-----
4	-----	8	-----

PIN Code Number Memo

Write down the PIN code number in the column below and keep it with this manual securely. If you forgot or lost the number and unable to operate the projector, contact the service center.

PIN Code Lock No.

--	--	--	--

Factory default set No: 1 2 3 4*

Logo PIN Code Lock No.

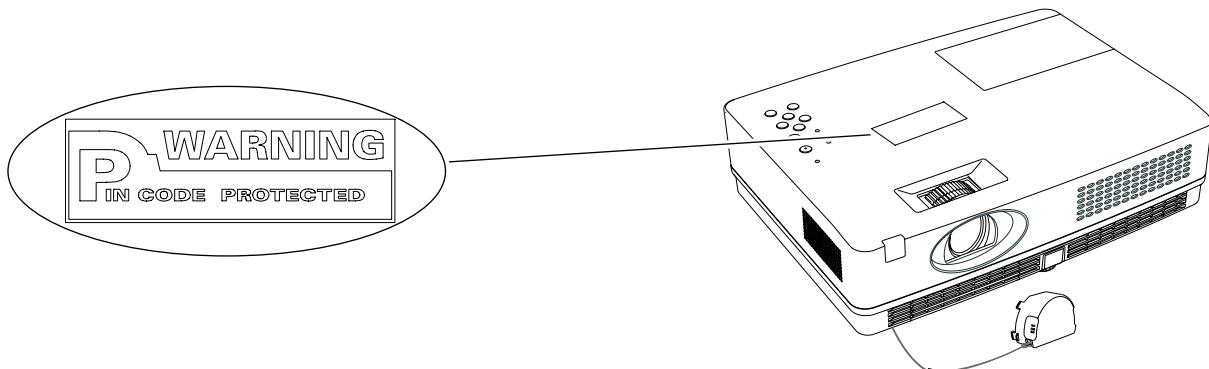
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Factory default set No: 4 3 2 1*

*Should the four-digit number be changed,
the factory set number will be invalid.

While the projector is locked with the PIN code.

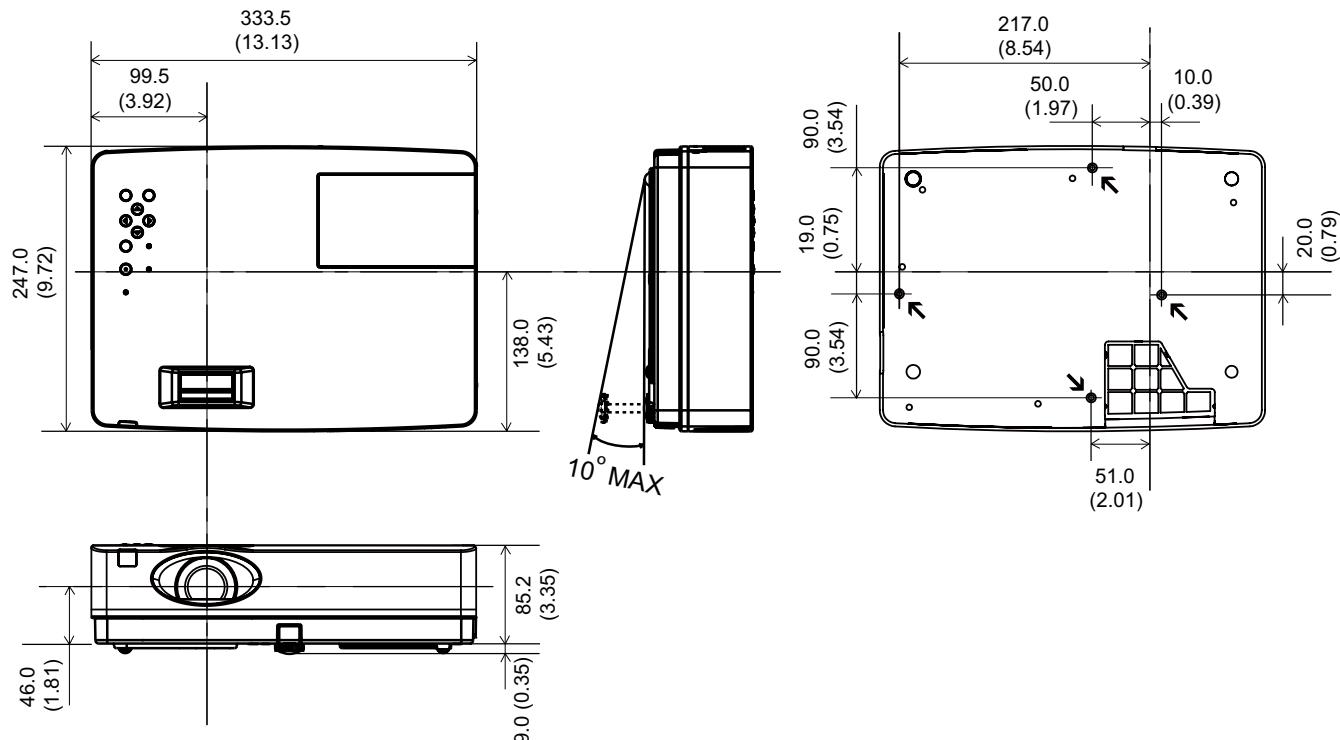
Put the label below (supplied) on in a prominent place of the projector's body while it is locked with a PIN code.



Dimensions

Unit: mm(inch)

Screw Holes for Ceiling Mount
 Screw: M4
 Depth: 10.0(0.39)



OVERSEAS SUBSIDIARY COMPANIES

U.S.A. ELMO USA CORP.

Headquarters

1478 Old Country Road
Plainview, NY 11803-5034, U.S.A
Tel:(516) 501-1400 Fax:(516) 501-0429
E-mail: elmo@elmousa.com
Web: <http://www.elmousa.com>

West Coast Branch

Cypress Pointe Business Park
5676 Corporate Avenue
Cypress, CA 90630, U.S.A
Tel:(714) 828-8457 Fax:(714) 828-8429

Germany ELMO (Europe) G.m.b.H

Neanderstr. 18
40233 Düsseldorf, Germany
Tel:(0211) 386470 Fax:(0211) 376630
E-mail: info@elmoeurope.com
Web: <http://www.elmoeurope.com>

ELMO CO., LTD.

6-14, Meizen-cho, Mizuho-ku, Nagoya,
467-8567, Japan

Federal Communications Commission Notice

Note: 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.

Use of shielded cable is required to comply with class B limits in Subpart B of Part 15 of FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the instructions. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Model Number : CRP-221, CRP-261

Trade Name : ELMO

Responsible party : ELMO USA CORP.

Address : 1478 Old Country Road Plainview, NY 11803-5034

Telephone No. : (516)501-1400