

Sequoia Adult School Class for Teachers

Laptop and Multimedia Projector, with cart

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Dell Latitude D800

1.6 GHZ Pentium-M processor
1024 MB memory
60 GB Hard Drive
15.4" Display
Windows XP Professional
Mouse: choice of track pad or
track stick

Microsoft Office 2000
Rosetta Stone
Quicken Basic 2003
Photoshop Elements
Typingmaster (English & Spanish)
Weight: around 7 lbs.



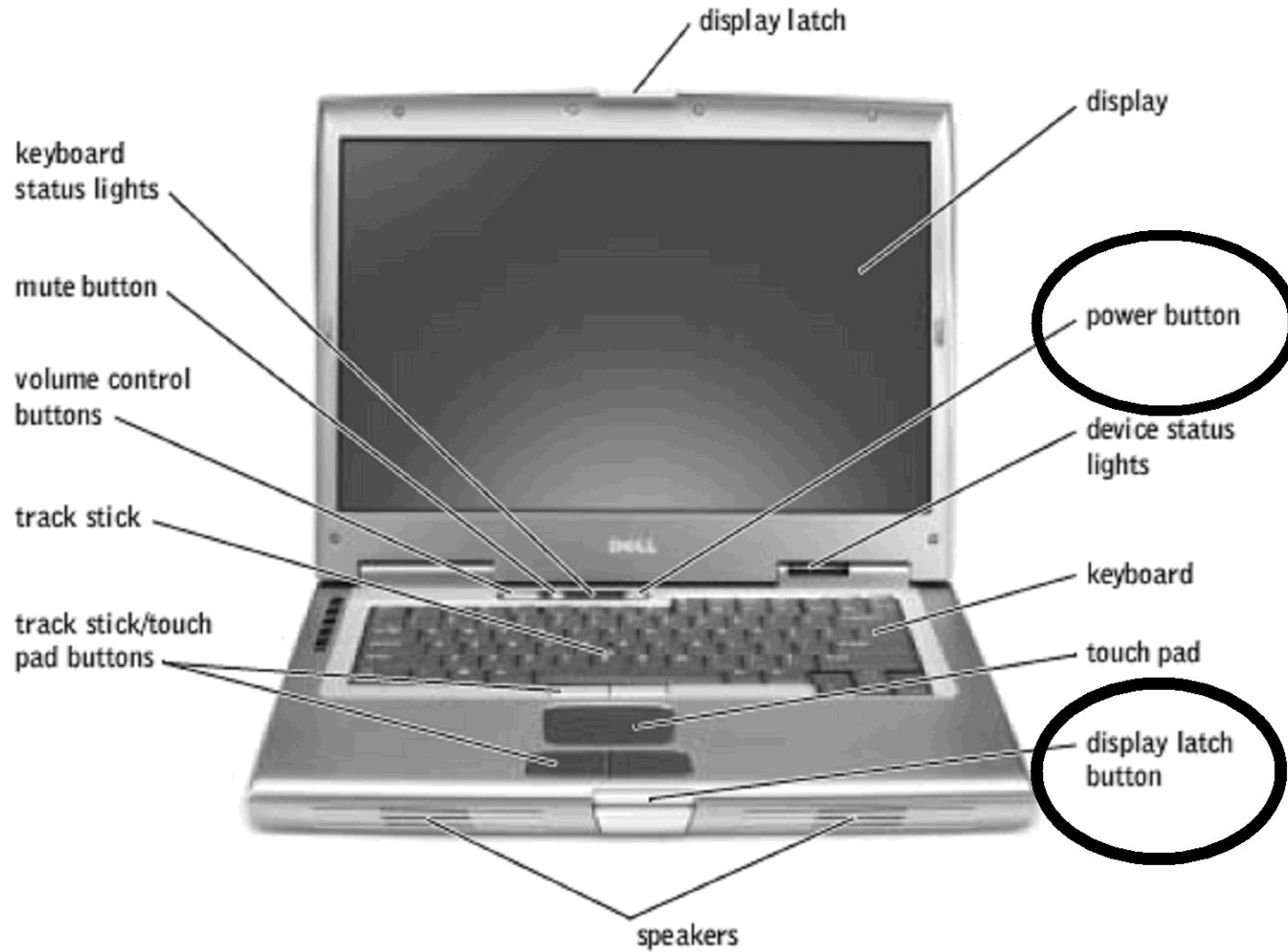
Panasonic LCD Projector, PT-LC56U

1600 lumens, SVGA
4.8 lbs.

Cautions and Requests

- **Where to find.** The laptop/projector cart is stored in the 2nd floor closet nearest to the teacher lounge.
- **Keys.** Carolyn Wittman has keys to the cart in her office.
- **Allot sufficient time.** It takes about 15 minutes to set the cart up, about 10 minutes to take it down.
- **Security.** To make theft difficult, cables permanently attach the laptop and projector to the cart.
- **Caution!** This is expensive equipment! The cart, laptop, and projector should never be left out without your personal supervision.
- **Manuals** for the laptop and projector are kept with the cart. In case of problems, you can find the manuals there.
- **Put it back!** Always return the locked cart to the 2nd floor closet.
- Laptop serial number: 19168133005
Sequoia Service Tag: 37030
- Projector serial number: SA3520352
Sequoia Service Tag: 37031

Front View



Setup Procedure

Note: The projector and laptop are delicate electronic equipment. Treat them carefully!

1. Move the cart to the classroom. In room 25, place it about 8 feet in front of the projector screen. In room 3, it's better to display on the rear wall. Place the cart even with the computers located nearest the door.
2. Unlock the cart. The keys are kept in Carolyn Wittman's office. Notice that one key unlocks the opening to the laptop, the other to the projector.
3. Slide out the laptop tray, being careful not to lose connection of the power cord to the laptop. You should see 3 cables connected to the laptop – power, CAT-5 network, and video.
4. Open the compartment that stores the projector.
5. Carefully remove the projector and move it to the top platform. Point it towards the screen. Remove lens cap.
6. Carefully remove the bundle of cables that are inside the cart, being careful not to further tangle them or to cause the laptop power cable to disconnect.
7. Place the bundle of cables at the foot of the cart.
8. Locate the cart's shelf release lever, located underneath the front of the top shelf, on the left side. Once it is released, lift the platform about 1 foot. **Be careful to securely lock the platform in place.**

9. Return to the bundle of cables. Find the power cord to the surge protector. Plug it into a wall socket. *This is the only electrical plug-in that you need to make.*



10. Find the blue CAT-5 network cable.



11. Locate an available network switch. These are small metal boxes, into which you'll see other CAT-5 cables connected. In room 25, you can find a network switch underneath

Computer # 25-02, located near the door at the front of the room. In room 3, look at the computers on the window side of the room -- there's a network switch located underneath the middle computer.

12. Plug the CAT-5 network cable into an open port on the network switch.
13. Be sure that the CAT-5 network cable is arranged so that students will not trip over it.
14. Return to the cart and turn on the laptop. The power button is located above the top row of keys, in the center. The laptop will boot into Windows XP. The teacher password is "edu" (leave out the quotation marks).
15. Turn on the multimedia projector by pressing the large, red button labeled "Power". It's located on top of the projector.

16. You may need to activate notebook's external monitor port, which sends the laptop desktop to the projector for display. To do this, press the **F8 (CRT/LCD)** function key, which is located in the top row of the notebook's keyboard. You have to press the **Fn** key at the same time. It's located between the **Ctrl** and **Windows Key**.
17. If nothing appears on the projection screen, wait a few seconds, then press the F2 button again. You may have to go through this cycle 2 or 3 times before you find the proper projection mode.

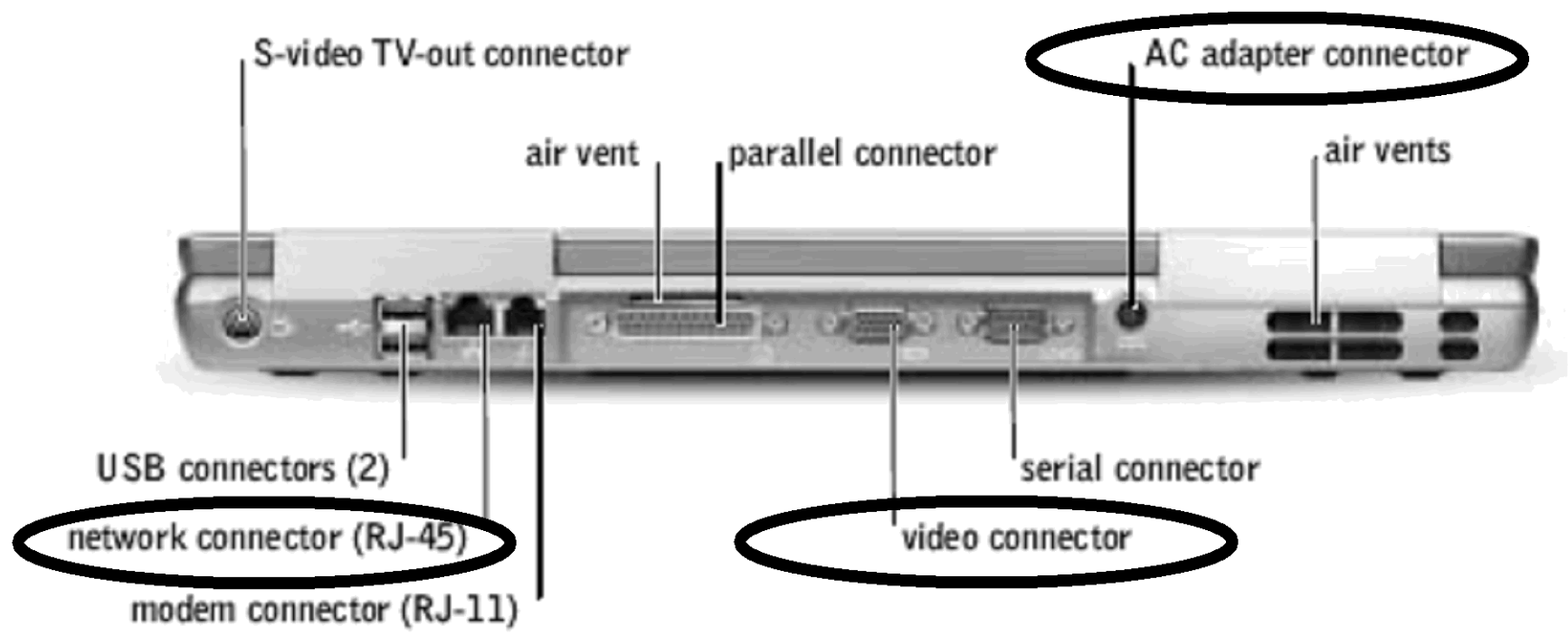
Take-down Procedure

1. Shut down the Laptop. Press **Start** → **Turn off computer** → **Turn off**
2. Turn off the projector, **giving it time to cool down the bulb**. To turn off the projector, press the red Power button on top.
3. Disconnect the blue CAT-5 network cable from the network switch. This is the "far end" of the CAT-5 cable.
4. Disconnect the surge protector power cable.
5. Push the laptop drawer back into the cart. **Lock it.**
6. Move the project back into the cart. **Be sure to place it at least 2" from the right inside panel.** This will provide room for the shelf to lower
7. Release the latch on the shelf and lower it. **Pay attention that the shelf does not lower onto the projector – it could break it!**
8. Gather up the surge protector and all connected cables. Put them inside the cart.
9. Close the cart door. **Lock it.**
10. Return the cart to the storage closet located on the 2nd floor, next to the teacher's lounge.
11. **Return keys to Carolyn's office.**

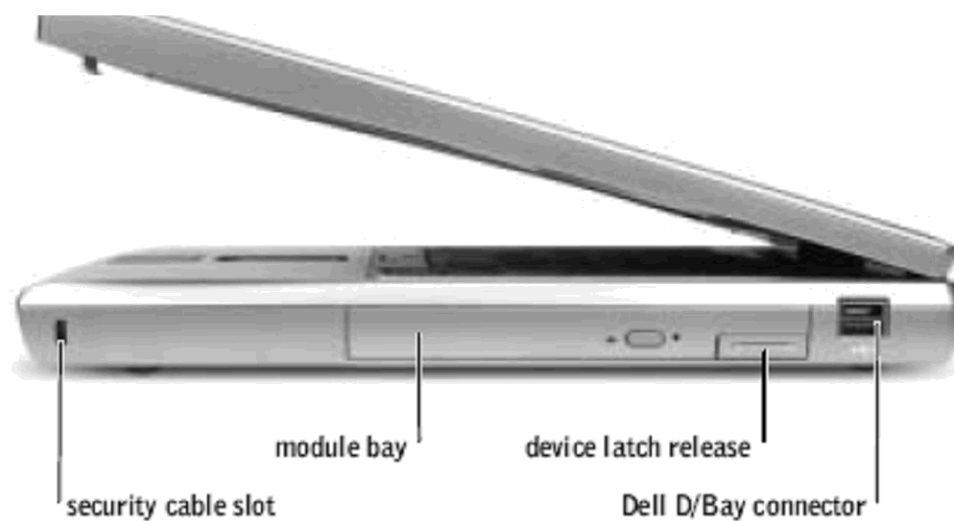
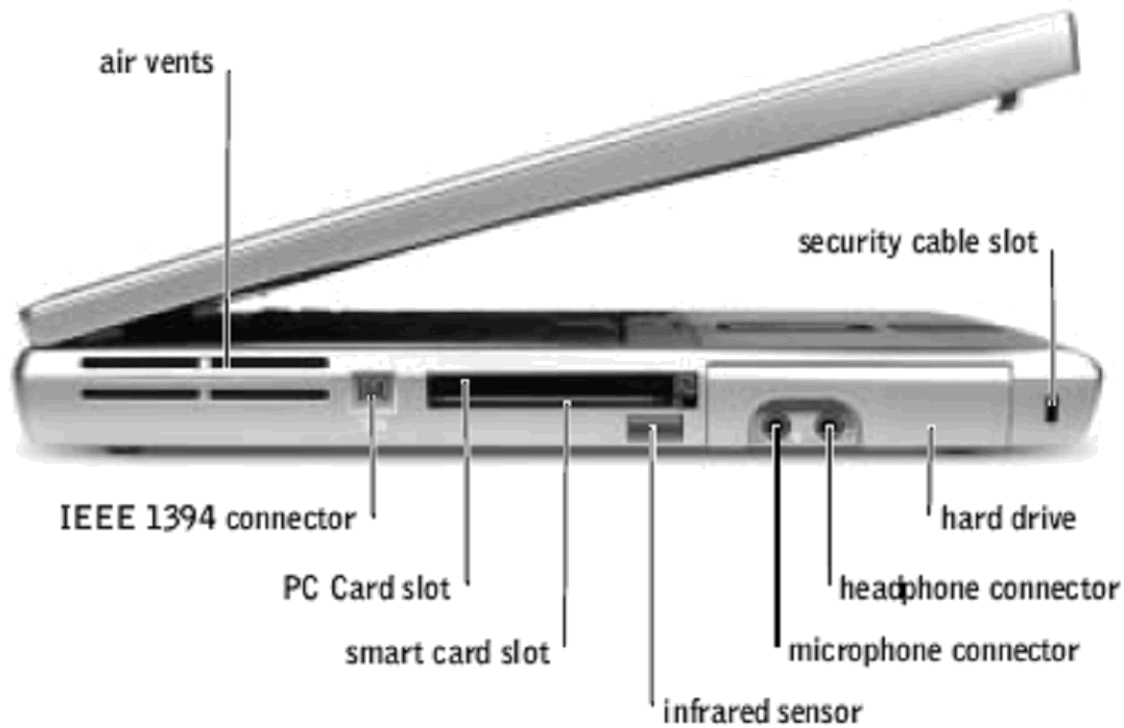
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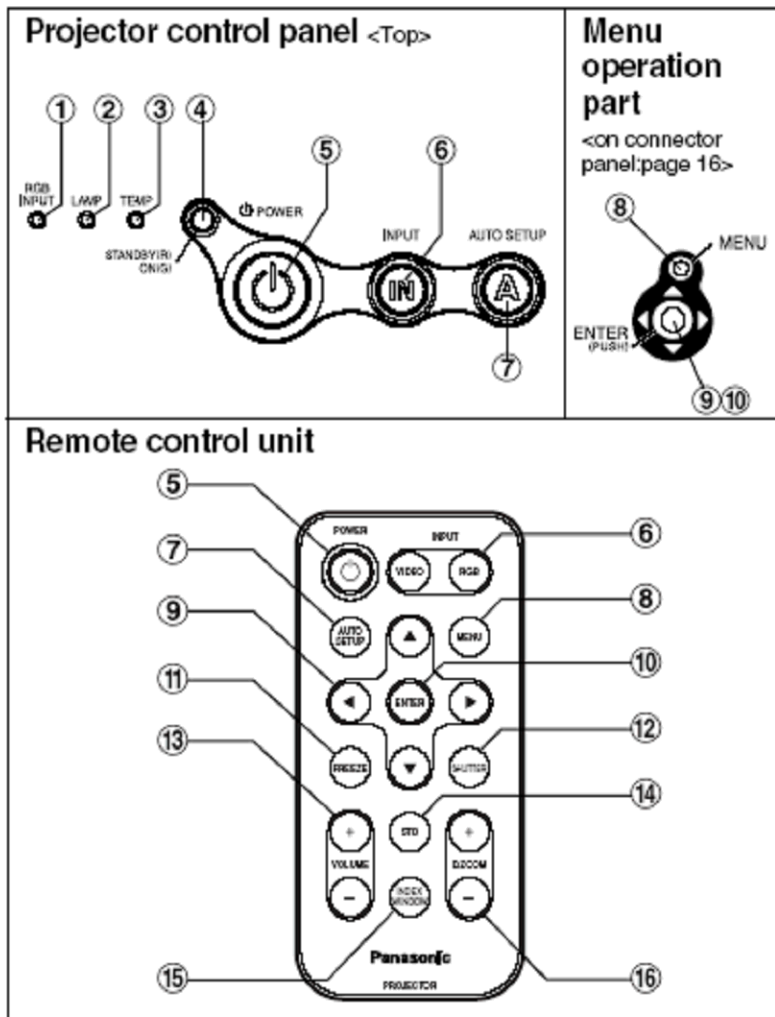
Laptop and Projector

Reference Materials

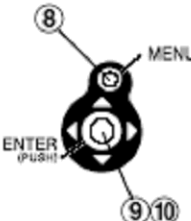


Left Side View





Menu operation part
 <on connector panel:page 16>



① RGB INPUT indicator (page 25)
 This indicator shows whether a signal is being input to the RGB input connectors (RGB 1 IN/RGB 2 IN). When an input signal is detected, the indicator illuminates.

② LAMP indicator (page 48)
 This indicator illuminates when it is time to replace the lamp unit. It flashes if a circuit abnormality is detected.

③ TEMP indicator (page 47)

This indicator illuminates if an abnormally high temperature is detected inside the projector or around it. If the temperature rises above a certain level, the power supply will be turned off automatically and the indicator will illuminate or flash.

④ Power indicator (page 25)
 This indicator illuminates red when the MAIN POWER switch is turned on (standby mode), and illuminates green when the power is turned on and a picture starts to be projected.

⑤ POWER button (pages 22 and 24)

⑥ Input select (INPUT, RGB, VIDEO) buttons (page 23)

⑦ AUTO SETUP button (pages 23 and 26)
 If this button is pressed while a picture is being projected, the projection settings will be adjusted automatically in accordance with the signal being input. In addition, the angle of tilt of the projector will be automatically detected and adjusted in order to correct any keystone distortion.

⑧ MENU button (pages 28 and 30)
 This button is used to display the menu screens. When a menu screen is being displayed, this button can be used to return to a previous screen or to clear the screen.

⑨ Arrow (▲▼◀▶) buttons (page 32)
 These buttons are used to select and adjust items in the menu screens.

⑩ ENTER button (page 32)
 This button is used to accept and to activate items selected in the

on-screen menus.

⑪ FREEZE button (page 27)
 This button is used to momentarily freeze projection so that a still picture is displayed.

⑫ SHUTTER button (page 27)
 This button is used to momentarily turn off the picture and sound.

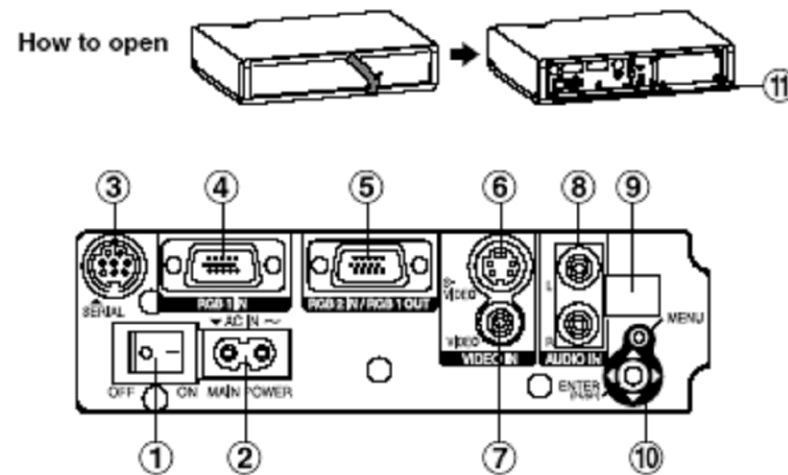
⑬ VOLUME +/- buttons (page 28)
 These buttons are used to adjust the volume of the sound output from the projector's built-in speaker. Refer to page 31 for details on how to adjust the volume using the buttons on the projector control panel.

⑭ STD (standard) button (page 33)
 This button is used to reset the projector adjustment values to the factory default settings.

⑮ INDEX WINDOW button (page 29)
 This button can be used to split the image projection area into a still image and a moving image.

⑯ D.ZOOM +/- buttons (page 28)
 These buttons are used to enlarge the projected image.

Connector panel



① **MAIN POWER switch**
(pages 22 and 24)

② **Power input socket (AC IN)**
(page 22)

The accessory power cord is connected here.
Do not use any power cord other than the accessory power cord.

③ **SERIAL connector**
(pages 19, 20 and 60)
This connector is used to connect a personal computer to the projector in order to externally control the projector. (RS-232C compatible)

④ **RGB1 IN connector**
(pages 19 and 20)
This connector is used to input RGB signals and YPbPr signals.

⑤ **RGB2 IN/RGB1 OUT connector**
(pages 19, 20 and 42)
This connector is used to input or output RGB signals and YPbPr signals. Use the RGB2 SELECT item in the OPTION1 menu to

select whether you want input or output with this connector.

⑥ **S-VIDEO IN connector**
(pages 19 and 39)
This connector is used to input signals from a S-VIDEO-compatible equipment such as a video deck. The connector is S1 signal compatible, and it automatically switches between 16:9 and 4:3 aspect ratios in accordance with the type of signal being input.

⑦ **VIDEO IN jack**
(page 19)
This jack is used to input video signals from a video equipment such as a video deck.

⑧ **AUDIO IN L-R jacks**
(pages 19 and 20)

⑨ **Remote control signal receptor**
(page 21)

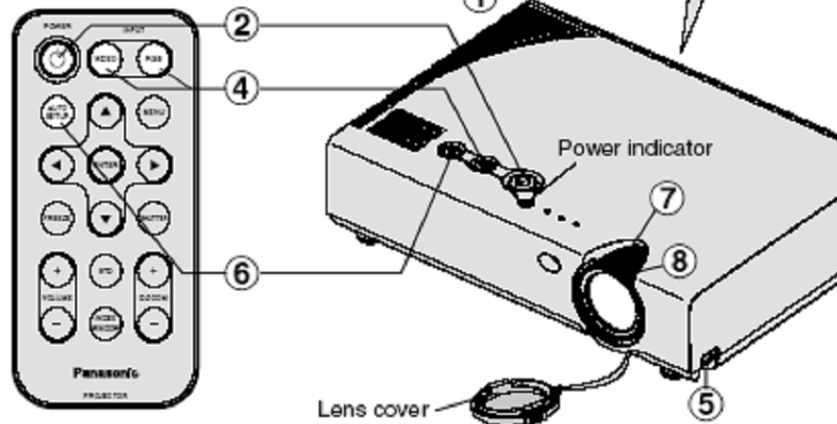
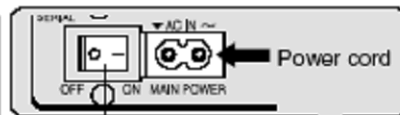
⑩ **Menu operation part (on connector panel)**
(page 14)

⑪ **Remote control unit holder**

Starting to use

Before turning on the power

- 1, Ensure that all components are connected properly.
- 2, Connect the accessory power cord.
- 3, Remove the lens cover.



1 Press the MAIN POWER switch to turn on the power.

- The power indicator on the projector will illuminate red.

2 Press the POWER button.

- The power indicator on the projector will flash green. After a short period, the indicator will illuminate green, and a picture will be projected.

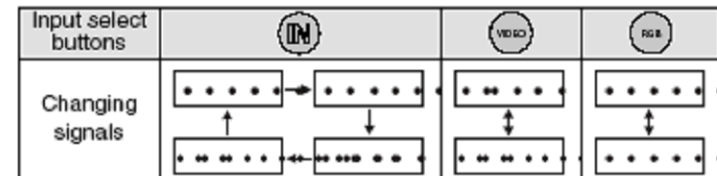
3 Turn on the power of all connected devices.

- Start the Play function of a device such as a DVD player.

NOTE:

- A tinkling sound may be heard while the power indicator is turned off, but this is not a sign of a malfunction.

4 Press the input select button to select the input signal.

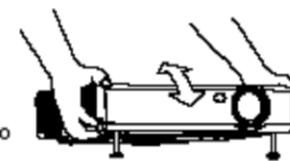


- A picture will be projected in accordance with the selected input signal.

Follow the procedure below when you set the projector up first, and when you change the setup place.

5 Adjusting the angle

- While pressing the adjuster buttons, adjust the forward/back angle of tilt of the projector. Adjust so that the projector is as vertical to the screen as possible.



6 Press the AUTO SETUP button to initiate automatic positioning.

- The tilt of the projector and the input signal will be detected and keystone distortion and the position of the image will be corrected. (Refer to page 26 for details.)



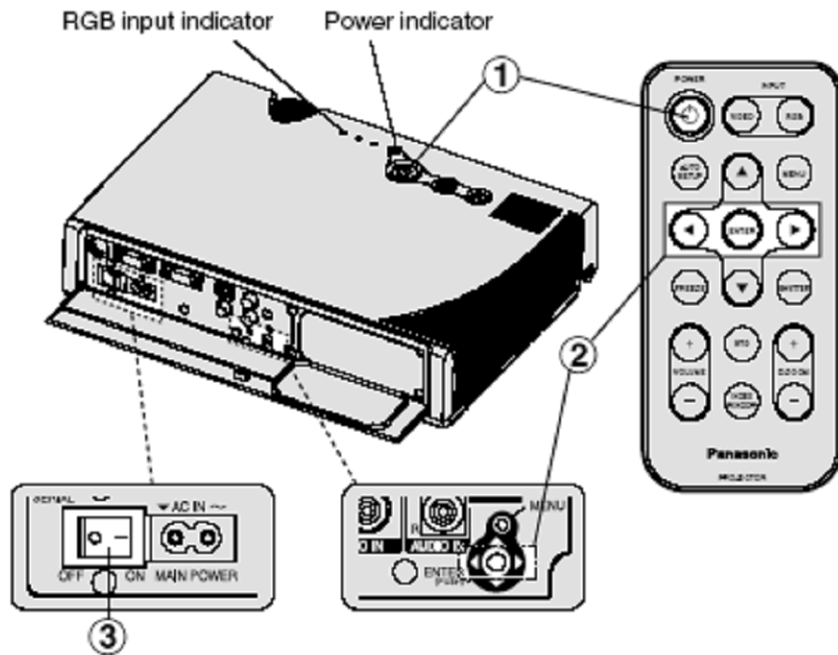
7 Adjusting the size

- Turn the zoom ring to adjust the size of the projected image.

8 Adjusting the focus

- Turn the focus ring to adjust the focus of the projected image.

Turning off the power



1 Press the POWER button.
 • "POWER OFF" is displayed on the screen.



2 Select "OK" using the ◀ and ▶ buttons and then press the ENTER button.
 • The lamp unit will switch off and the picture will stop being projected.
 (The power indicator on the projector will illuminate orange.)

3 Press the MAIN POWER switch to turn off the power after the power indicator on the projector illuminates red.
 • Do not cut power to the projector in any way while the cooling fan is still operating. Be careful not to switch off the MAIN POWER switch of the projector or unplug the power cord from the electrical outlet.

NOTE:

- You can also turn off the power by pressing the POWER button twice or by holding down it for at least 0.5 seconds.
- When the projector is in standby mode (the power indicator on the projector is illuminated red), the projector will still draw a maximum 4 W of power, even when the cooling fan has stopped.

Power indicator

Power indicator status		Projector status
Red	Illuminated	The projector is in standby mode and image projection is possible by pressing the POWER button.
Green	Illuminated	A picture is being projected
	Flashing	The projector is preparing for projection (After a short period, a picture will be projected)
Orange	Illuminated	The lamp is cooling down (The cooling fan is operating)
	Flashing	The projector is preparing for projection (After a short period, a picture will be projected)

RGB INPUT indicator

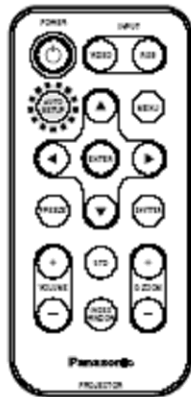
RGB INPUT indicator status		Projector status
Illuminated during standby mode		A signal is being input to either the RGB1 IN or RGB2 IN connector.
Illuminated during projection		A signal is being input to the connector selected using the input select buttons.

Correcting keystone distortion and automatic positioning (AUTO SET UP)

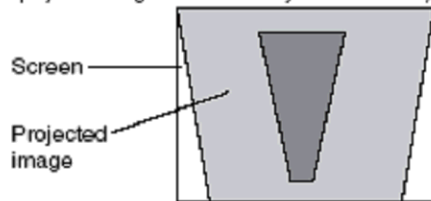
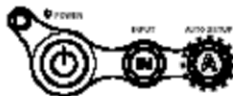
This projector detects its degree of tilt and the input signal. Keystone distortion and the position of the image can then be corrected automatically in accordance with the input signal.

Press the **AUTO SETUP** button.

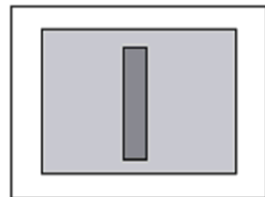
(When the projected image has caused keystone distortion)



Projector control panel



- Automatic positioning will be carried out.



If you press the **AUTO SETUP** button, the items given in the table below will be set automatically in addition to keystone distortion being corrected. The setting details change according to the signal which is being input.

Input signal	Contents set up automatically
RGB signals	POSITION (page 38), DOT CLOCK (page 38), CLOCK PHASE (page 38), AUTO RGB IN (page 42). (If the dot clock frequency is 100 MHz or higher, the DOT CLOCK and CLOCK PHASE will not be set automatically.)
YPbPr signals	AUTO RGB IN (page 42)

NOTE:

- If the edges of the projected picture are indistinct, or if a dark picture is being projected, the automatic setup processing may stop automatically before it is complete. If this happens, project a different picture and then press the **AUTO SETUP** button once more, or make the above adjustments manually.
- If you would like to make further adjustments to the picture, use the menu commands which are listed on page 30 and subsequent pages.
- Set "AUTO KEYSTN" in the OPTION1 menu to "OFF" to prevent any deterioration of the picture as a result of keystone correction.

Turning off the picture and sound momentarily (SHUTTER)

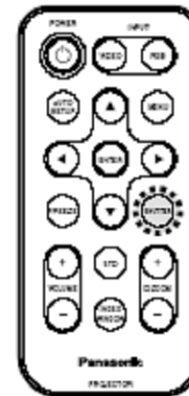
The shutter function can be used to momentarily turn off the picture and sound from the projector when the projector is not being used for short periods of time, such as during breaks in meetings or when carrying out preparation. The projector uses less power in shutter mode than it does in normal projection mode.

Press the **SHUTTER** button.

- The picture and sound will be turned off.
- Press any button on either the projector or remote control unit to return to normal operating mode.

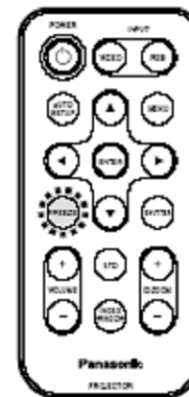
NOTE:

- "SHUTTER" on the MAIN MENU is the same function.



Pausing a picture (FREEZE)

Press the **FREEZE** button.



- The picture being projected will be paused.
- Press the **FREEZE** button again to cancel the still picture.