

User's Guide (Basic Operations)

- Be sure to read the “Safety Precautions” on page E-2 and “Operating Precautions” on page E-6 before trying to use this projector.
- This manual covers only basic operations, including how to set up the projector, how to connect a computer or video device to the projector, and basic projector operations. For more detailed information, see the User's Guide (UsersGuide_English.pdf) on the CD-ROM that comes with the projector.

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Safety Precautions

Thank you for selecting this CASIO product. Be sure to read these "Safety Precautions" before trying to use it. After reading this User's Guide, keep it in a safe place for future reference.

About safety symbols

Various symbols are used in this User's Guide and on the product itself to ensure safe use, and to protect you and others against the risk of injury and against material damage. The meaning of each of the symbols is explained below.

 Danger	This symbol indicates information that, if ignored or applied incorrectly, creates the risk of death or serious personal injury.
 Warning	This symbol indicates information that, if ignored or applied incorrectly, could possibly create the risk of death or serious personal injury.
 Caution	This symbol indicates information that, if ignored or applied incorrectly, could possibly create the risk of personal injury or material damage.

Icon Examples



A triangle indicates a situation against which you need to exercise caution. The example shown here indicates you should take precaution against electric shock.



A circle with a line through it indicates information about an action that you should not perform. The specific action is indicated by the figure inside the circle. The example shown here means disassembly is prohibited.



A black circle indicates information about an action that you must perform. The specific action is indicated by the figure inside the circle. The example shown here indicates you must unplug the power cord from the power outlet.

Precautions During Use



Warning

● Smoke, odor, heat, loud noise, and other abnormalities



Should you ever notice smoke, strange odor, or loud noise being emitted by the projector, or any other abnormality, immediately stop using the projector.

Continued use creates the risk of fire and electric shock. Immediately perform the following steps.

1. Unplug the projector.
2. Contact your original dealer or authorized CASIO service center.

● Malfunction



Immediately stop using the projector if the screen appears abnormal, or if any other abnormal operation occurs even though you are operating the projector correctly. Continued use creates the risk of fire and electric shock. Immediately perform the following steps.

1. Turn off the projector.
2. Unplug the projector.
3. Contact your original dealer or authorized CASIO service center.

● Power cord



Misuse of the power cord creates the risk of fire and electric shock. Make sure that you always observe the following precautions.

- Make sure that you use a power source with the same voltage as that specified for the projector.
- Do not overload a power outlet with too many devices.



A damaged power cord creates the risk of fire and electric shock. Make sure that you always observe the following precautions.

- Never place heavy objects on the power cord and never expose it to heat.
- Make sure the power cord is not pinched between the wall and the rack or table where the projector is located, and never cover the power cord with a cushion or other object.
- Never try to modify the power cord, allow it to become damaged, or subject it to excessive bending.
- Do not twist the power cord or pull on it.



Never touch the power cord or plug while your hands are wet. Doing so creates the risk of electric shock.

- When using this projector in the country where you purchased it, be sure to use the power cord that came with it. Whenever using the projector in another country, be sure to purchase and use a power cord that is rated for the voltage of that country. Also make sure that you are aware of the Safety Standards that apply in that country.

● **Water and foreign matter**



Never allow water to get on the projector. Water creates the risk of fire and electric shock.



Never place a vase or any other container of water on top of the projector. Water creates the risk of fire and electric shock.



Water or other liquid, or foreign matter (metal, etc.) getting into the projector creates the risk of fire and electric shock. Should anything get inside the projector, immediately perform the following steps.

1. Turn off the projector.
2. Unplug the projector.
3. Contact your original dealer or authorized CASIO service center.

● **Disassembly and modification**



Never try to take the projector apart or modify it in any way. The projector contains a large number of high-voltage components that create the risk of electric shock and burn injury.

Be sure to leave all internal inspection, adjustment, and repair up to your original dealer or authorized CASIO service center.

● **Dropping and impact**



Continued use of the projector after it has been damaged by dropping or other mistreatment creates the risk of fire and electric shock. Immediately perform the following steps.

1. Turn off the projector.
2. Unplug the projector.
3. Contact your original dealer or authorized CASIO service center.

● **Disposal by burning**



Never try to dispose of the projector by burning it. Doing so can cause an explosion, which creates the risk of fire and personal injury.

● **Looking into the lens or vents while lamp is on**



Never look directly into the lens or vents while lamp is on. The strong light emitted by the projector creates the risk of eye damage.

● **Blocking the vents**



Never allow the intake vents (on the side or back of the projector) or the exhaust vents (on the front of the projector) to become blocked. Doing so causes internal heat build up, which creates the risk of fire and breakdown of the projector. Touching the projector while it is hot creates the risk of burn injury. Make sure that you always observe the following precautions.

- Allow at least 30cm (11.8 inches) between the projector and walls.
- Do not insert the projector into any space where air circulation is poor.
- Never cover the projector with a blanket or any similar item.
- Locate the projector on a firm, flat surface during use. Never use the projector while it is on a carpet, blanket, towel, seat cushion, or other pliable surface.
- Never stand the projector up on either end during use.

● **Projector cabinet**



Never open the projector's cabinet. Doing so creates the risk of electric shock.

● **Cleaning**



Before cleaning the projector, be sure to turn it off and unplug it from the power outlet. Failure to do so creates the risk of electric shock.

● **Exhaust vents**

The exhaust vents become very hot while the projector is running. Never touch them. Doing so creates the risk of burn injury. The areas near the exhaust vents also become quite hot. Never locate objects made of plastic or other heat-sensitive materials near or under the projector. Doing so creates the risk of deformation and discoloration of the object.

● **Lens cover**

Be sure to open the lens cover before turning on the projector. Never close the lens cover while the projector is in use.

Safety Precautions

● Location

Never locate the projector in any of the following types of locations. Doing so creates the risk of fire and electric shock.

- Near an area subject to strong vibration
- An area subject to large amounts of moisture or dust
- In a kitchen or other area exposed to oil smoke
- Near a heater, on a heated carpet, or in an area exposed to direct sunlight
- An area subject to temperature extremes (Operating temperature range is 5°C to 35°C (41°F to 95°F)).

● Heavy objects

Never place heavy objects on the projector or climb on top of the projector. Doing so creates the risk of fire and electric shock.

● Water

Never locate the projector in a bathroom or anywhere else there is the chance that it will be splashed with water.

● Unstable location



Never place the projector on an unstable surface or on a high shelf. Doing so can cause it to fall, creating the risk of personal injury.

● Using the projector on a base with casters

Whenever using the projector on a base that has casters, make sure that you lock the casters when not moving the base.

● Lightening

During a lightening storm, do not touch the plug of the projector's power cord.

● Remote controller



Never try to take the remote controller apart or modify it in any way. Doing so creates the risk of electric shock, burn injury, and other personal injury. Be sure to leave all internal inspection, adjustment, and repair up to your original dealer or authorized CASIO Service Center.



Never allow the remote controller to become wet. Water creates the risk of fire and electric shock.



Caution

● Power cord



Misuse of the power cord creates the risk of fire and electric shock. Make sure that you always observe the following precautions.

- Do not locate the power cord near a stove.
- When unplugging the power cord, always grasp the plug, and do not pull on the power cord.
- Insert the plug into the power outlet as far as it will go.
- After using the projector, turn it off. After the projector finishes its cool down routine, unplug it from the power outlet.
- Unplug the projector from the power outlet if you do not plan to use it for a long time.
- At least once a year, unplug the power plug and use a dry cloth or vacuum cleaner to clear dust from the area around the prongs of the power plug.
- Never use detergent to clean the power cord, especially the power plug and jack.
- Before moving the projector, be sure to turn it off and unplug it from the power outlet first.

● Backup of important data



Be sure to keep separate written records of all data stored in projector memory. Memory data can be lost due to breakdown, maintenance, etc.

● Lens effect

Never have an aquarium or any other object that produces a lens effect in front of the projector while the lamp is on. Such an object creates the risk of fire.

● Lens

Never touch the lens with your hand.

Battery Precautions



Warning

Misuse of a battery can cause it to leak and stain the area around it, or to explode, creating the risk of fire and personal injury. Make sure that you always observe the following precautions.



- Never try to take a battery apart and do not allow it to become shorted.
- Never expose a battery to heat or throw it into fire.
- Never try to charge the battery.
- Take care that the battery is oriented correctly when you load it.



● **Button battery**



- Keep the button battery out of the reach of small children to make sure it is not swallowed accidentally. Should a button battery ever be swallowed, contact a physician immediately.



Caution

Misuse of a battery can cause it to leak and stain the area around it, or to explode, creating the risk of fire and personal injury. Make sure that you always observe the following precaution.



- Use only the type of battery that is specified for the remote controller.

● **Dead battery**

Be sure to remove the battery from the remote controller as soon as it goes dead.



- Remove the battery from the remote controller if you do not plan to use it for a long time.

● **Disposing of batteries**

Make sure that you dispose of used batteries in accordance with the rules and regulations in your local area.

Lamp Precautions



Warning

● **Lamp removal**



Never remove the lamp from the projector immediately after using it. The lamp becomes very hot during use, creating the risk of burn injury. Turn off the projector. After the POWER/STANDBY indicator changes to steady (not flashing) amber, unplug the projector from the power outlet. Next, wait for at least 60 minutes before removing the lamp.

● **Specified lamp type**



Use only the lamp type that is specified for this projector. Use of any other type of lamp creates the risk of fire and breakdown.



Caution

● **Lamp replacement**



Before replacing the lamp, be sure to turn off the projector and unplug it from the power outlet. Failure to do so creates the risk of electric shock.

- Take care when replacing a broken lamp. A broken lamp can cause glass fragments to be scattered inside the lamp housing. Glass inside of the lamp housing may also be discharged from the projector's vent exhaust ports. Gas inside of the lamp includes mercury, so be sure to ventilate the area whenever the lamp breaks. Should you accidentally inhale gas fumes or should gas fumes get into your eyes, immediately contact a physician.

● **Broken lamp**



Never attempt to replace a broken lamp on your own. The projector uses a mercury lamp with high internal pressure as its light source. Should the lamp break, be sure to contact your original dealer or authorized CASIO service center to request replacement. Attempting to replace a broken lamp on your own creates the risk of personal injury due to broken glass or dispersed mercury.

Other



Caution

Allowing dust to build up inside the projector for long periods without cleaning creates the risk of fire and breakdown. Contact your original dealer or authorized CASIO service center once a year about having the interior of the projector cleaned. Note that you will be charged for cleaning.

Operating Precautions

Lamp Handling Precautions



Caution

Continued use of a lamp that has passed its lamp life increases the risk of the lamp rupturing. Replace the lamp with a new one as soon as possible after the replacement message appears.

- Never touch the glass of the lamp with your fingers. Doing so can damage the lamp and shorten its life.
- The light source lamp is a consumable item. The average life of a lamp is approximately 2000 hours. After 2000 hours, a message appears to alert you to the need of lamp replacement. However, note that the characteristics of a particular lamp or lamp operating conditions can cause the lamp to start to go dim or even fail before the message appears.
- Lamps are guaranteed for 180 days from the date of purchase or for 500 hours operation, whichever comes first.
- A mercury lamp with high internal pressure is used as the light source. A lamp that is weakened by impact, damage, or expiration of its lamp life may explode or fail to light. Note that lamp life differs greatly from lamp to lamp, and is affected by conditions under which the lamp is used.
- The replacement message appears and the LAMP indicator flashes red after the lamp life is reached. When this happens, replace the lamp using the instructions provided in this User's Guide.
- If the lamp continues to be used after its lamp life is reached, after 100 hours the projector will enter a cool down state and then go into standby. The projector will not turn on again until you replace the lamp.

Lamp Replacement Precautions

- When the lamp life is reached, the message "It is time to replace the lamp. Use the procedure in the User's Guide to replace the lamp as soon as possible." appears on the display for about 10 seconds, and the LAMP indicator starts to flash red in one-second intervals. Replace the lamp as soon as possible after the message appears or the LAMP indicator flashes.
- Replace the lamp with a special replacement lamp, which should be available from your original dealer. Use only the lamp type that is specified for this projector.

XJ-S43W Replacement Lamp

YL-4B

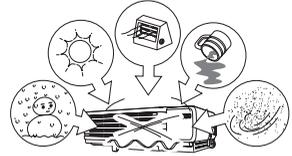
- Turn off the projector. After the POWER/STANDBY indicator changes to steady (not flashing) amber, unplug the projector from the power outlet. Next, wait for at least 60 minutes before removing the lamp. Note that the lamp cartridge becomes very hot during normal use and while the projector is in standby immediately after lamp use. Handling it when hot creates the risk of burn injury.
- The lamp contains mercury. Dispose of old lamps in accordance with the rules and regulations of your local jurisdiction.
- When replacing the lamp, use the special screwdriver that comes with the replacement lamp.

Other Precautions

This projector is made of precision components. Failure to observe the following precautions can result in inability to correctly save data and malfunction.

● **Never use or store the projector in the following locations. Doing so creates the risk of malfunction of and damage to the projector.**

- Locations subjected to electrostatic charge
- Locations subjected to temperature extremes
- Locations where there is extreme moisture
- Locations subjected to sudden temperature changes
- Locations where there is a lot of dust
- On a shaky, slanted, or otherwise unstable surface
- Locations where there is the danger of getting wet



● **Avoid using the projector under the following conditions. Such conditions create the risk of malfunction of and damage to the projector.**

- Avoid areas subject to temperature extremes (operating temperature range is 5°C to 35°C (41°F to 95°F)).
- Never place heavy objects on the projector or climb on top of the projector.
- Never insert or allow foreign objects to drop into the projector.
- Never place a vase or any other container of water on top of the projector.



● **Never leave a dead battery inside the remote controller for a long time.**

A dead battery can leak, which leads to malfunction of and damage to the remote controller.

● **Clean with a soft, dry cloth.**

When very dirty, use a soft cloth that has been dampened in a weak solution of water and a mild neutral detergent. Wring all excess water from the cloth before wiping. Never use thinner, benzine, or any other volatile agent to clean the projector. Doing so can remove its markings and cause staining of the case.

● **Missing Screen Dots**

Though this projector is manufactured using the most advanced digital technology available today, some of the dots on the screen may be missing. This is normal, and does not indicate malfunction.

● **Never subject the projector to strong impact while it is projecting.**

If the projector is accidentally subjected to strong impact, the projection image will momentarily go blank. The image will reappear after some time, but it may be the wrong color or it may be accompanied by an error message.

If the projected image is the wrong color, re-select the current input source. If this does not return the projected image to its proper color, use the procedure under "To turn off the projector" on page E-18 to turn projector power off and then back on again.

If the image reappears with an error message, correct the problem in accordance with the indicator explanations under "Error Indicators and Warning Messages" in the User's Guide on the CD-ROM that comes with the projector.

● **Keystone Correction and Image Quality**

Performing keystone correction causes the image to be compressed before it is projected. This can result distortion of the image or a loss of image quality. If this happens, change orientation of the projector and/or screen so it conforms as much as possible to the illustration under "Setting Up the Projector" on page E-12.

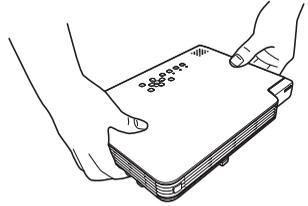
If image quality is the highest priority, turn off auto keystone correction and position the projector so it is pointed straight at the screen.

Operating Precautions

- Even if your projector is still within the warranty period, you will be charged for repair if a problem is due to running the projector non-stop for very long periods (like 24 hours) or if the projector was set up and used without following the “Setup Precautions” on page E-13 of this manual.

- **Precaution when Handling the Projector after Use**

The exhaust vents on the front of the projector and the top of projector become very hot during operation, and will still be hot immediately after turning off the projector. Because of this, you should hold the sides of the projector as shown in the illustration whenever moving it.

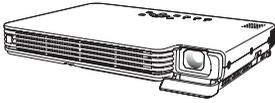


- **Stowing the Projector in the Soft case**

Make sure the projector is no longer warm before stowing it in the soft case.

Unpacking

As you unpack the projector, check to make sure that all of the items listed below are present.



DATA PROJECTOR



**Remote Controller
(YT-35)**



**Test Battery (CR2025)
(Loaded in remote controller.)**



AC Power Cord



Special AV Cable



Mini D-Sub Cable

- Soft Cases (projector and cords)
- CD-ROM
- User's Guide (Basic Operations)
- "Read this first" Sheet
- Warranty

Using the User Documentation on the CD-ROM

The CD-ROM that comes with the projector has a PDF file "User's Guide" that contains detailed explanations about projector operations.

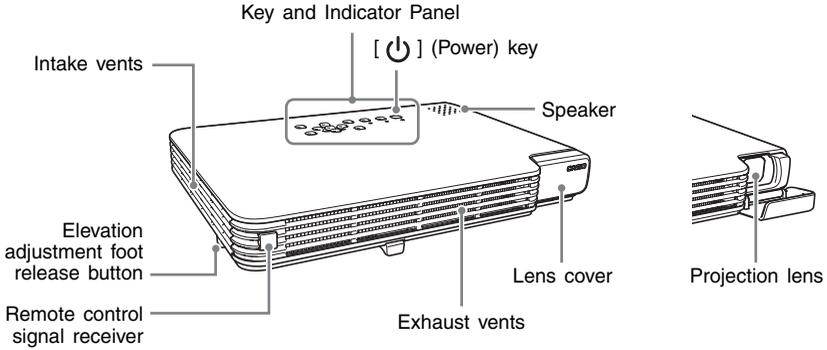
In order to read the User's Guide, you need to have Adobe® Reader® installed on your computer.

To view the User's Guide contents

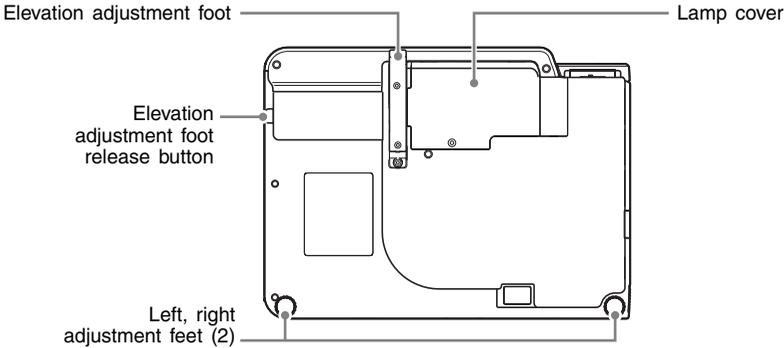
1. Place the bundled CD-ROM into your computer's CD-ROM drive.
2. Navigate to the CD-ROM, and open the "User's Guide" folder.
3. Double-click "UsersGuide_English.pdf".
 - This starts up Adobe Reader and displays the contents of the manual whose icon you clicked.
 - On some systems, the ".pdf" extension may not appear at the end of the file name.

General Guide

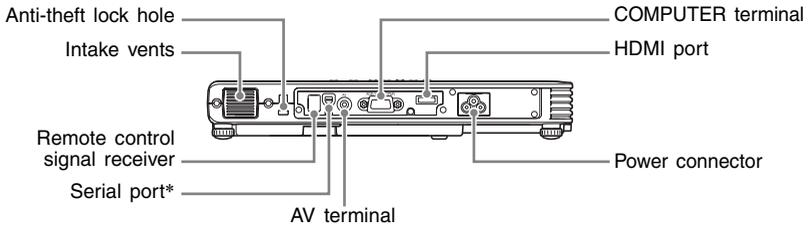
[Front/Top/Left Side]



[Bottom]



[Back, Terminals]



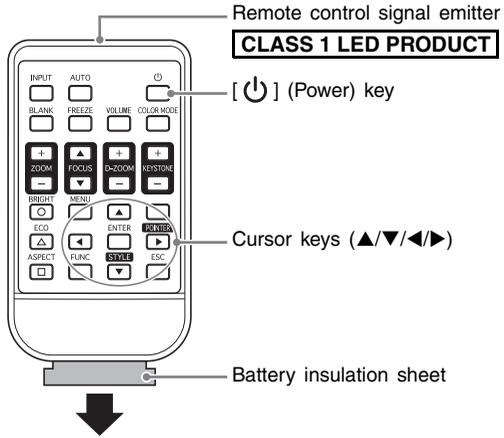
* This serial port is for connecting a separately available special cable to control the projector from a computer.

NOTE

- The anti-theft lock hole is provided for connection of an anti-theft chain. Visit the Kensington Lock Website at <http://www.kensington.com/> for more information.

Preparing the Remote Controller

The remote control unit comes loaded with a test battery. Before using it for the first time, remove the battery insulation sheet from the back of the remote controller.



For details about replacing the remote controller battery, see the User's Guide on the CD-ROM that comes with the projector.

Important!

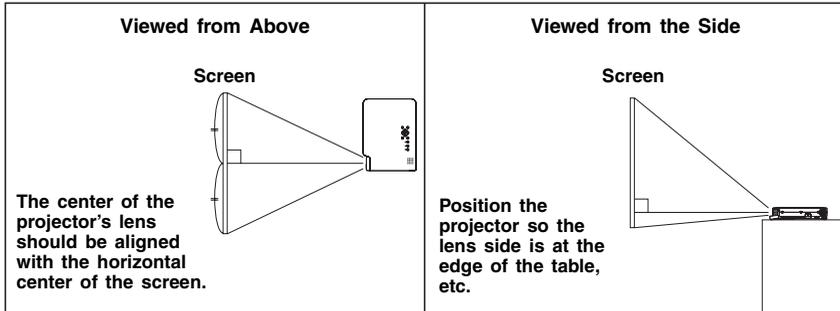
- To avoid running down the battery, store the remote control unit so its buttons are not pressed inadvertently.

Getting Ready

Setting Up the Projector

Locate the projector on a desk, table, or stand that is firm and level. Make sure to allow sufficient space around the sides and back of the projector for proper ventilation.

- The following illustrations show how the projector should be oriented for optimum projection relative to the screen.



Important!

- You can place the projector on a surface that is angled up to 30 degrees upwards or downwards during use. Never locate the projector on a surface that is angled more than 30 degrees, or angled at all to the left or right. Such conditions can cause the lamp to explode or can shorten lamp life, and also creates the risk of malfunction.
- The projector's auto keystone correction range is 0 to +30 degrees. If the surface you are projecting onto is angled downwards from horizontal, use manual keystone correction (page E-20) to correct the image.
- Turn on the "High Altitude" setting on the setup menu when using the projector in a high altitude (1,500 to 3,000 meters (5,000 to 10,000 feet) above sea level) area where air is thin. For details, see the User's Guide on the CD-ROM that comes with the projector.

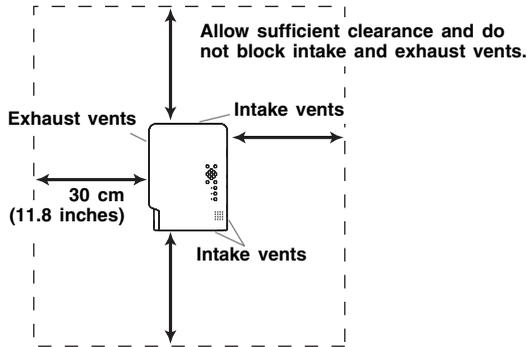
NOTE

- The projector can be configured for projection from the back of a screen. For details, see the User's Guide on the CD-ROM that comes with the projector.

Setup Precautions

Note that the condition of the environment where you use the projector greatly affects its performance. Make sure that the following are the conditions of projector setup whenever you use it.

- Use a conveniently located power outlet that you can reach easily when you need to unplug the projector.
- Do not place any objects within the area indicated by the dashed line in the illustration below. Be especially careful that you never block intake and exhaust vents.



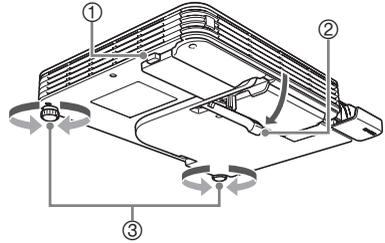
- Do not locate any objects near the projector while it is in use. Keep all items at least 30cm (11.8 inches) away from the intake and exhaust vents.
- The vents become quite hot while the projector is in use. Never touch the vents with your hands. Also, the areas near the exhaust vents become quite hot. Never locate objects made of plastic or other heat-sensitive materials near or under the projector. Doing so creates the risk of deformation and discoloration of the object.
- Avoid placing the projector on a surface that is unstable or prone to vibration. Never place the projector on top of a carpet, blanket, towel, or other soft material.
- Do not locate the projector where it will be exposed to direct sunlight.
- Avoid locations where there are large amounts of dust and moisture.
- Keep the projector away from speakers, TVs, radios, and other devices that generate magnetism, as well as from heaters.
- Over time, use of the projector can cause dust and dirt to build up in and around the fan's intake vents, which can lead to malfunction of the projector. Be sure to check the intake vents for dust build up each time before you use the projector. If you see dirt or dust in or around the intake vents, remove it by wiping with a cloth, etc.
- When positioning the projector, make sure you do so in such a way that the intake vents do not become blocked. Blocked intake vents can shorten the life of the lamp.
- Airflow from air conditioning equipment can blow the heat being exhausted from the area around the projector's lens in a way that causes heat ripples to appear in the projected image. If this happens, adjust the airflow of the air conditioning equipment or move the projector.

Adjusting the Projector Elevation Angle

You can change the elevation angle of the projector in a range of 0 to 12 degrees. You can also make fine adjustments to the left and right side elevation angle when necessary.

To change the projector elevation angle

1. Lift up the front of the projector and press the release button ①.
 - This causes the elevation adjustment foot ② to drop from the bottom of the projector.
 - Be sure to press the release button before trying to lower the elevation adjustment foot. Pulling on the foot without pressing the release button can damage the foot.
2. While holding down the release button, raise and lower the front of the projector until the elevation adjustment foot is approximately the length you need.
3. Release the release button to lock the elevation adjustment foot in its current position.
4. Use the left and right adjustment feet ③ to further fine adjust the elevation angle.
 - The left and right adjustment feet are for fine adjustment only. Do not try to rotate them too far. Doing so can cause an adjustment foot to detach. Tightening an adjustment foot too strongly can cause it to become stuck.



Important!

- To retract the elevation adjustment foot, hold down the release button and slide the elevation adjustment foot back into the projector. Never try to forcibly change the elevation adjustment foot position without pressing the release button.
-

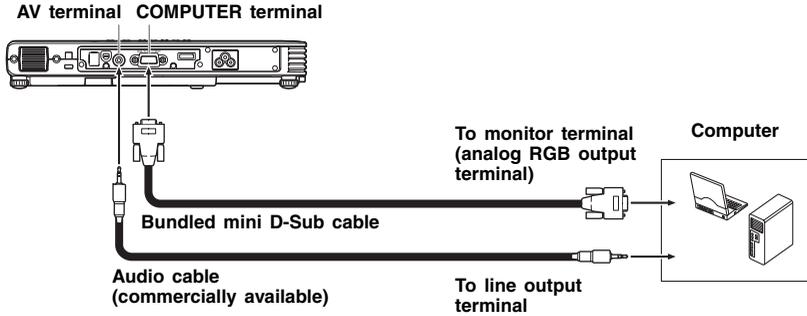
Connecting a Computer to the Projector

You can use the projector to project an image of analog RGB output from a computer.

Important!

- Always turn off the projector and the computer before connecting them.
- Take care so the volume level of the computer is not set too high.

Projector



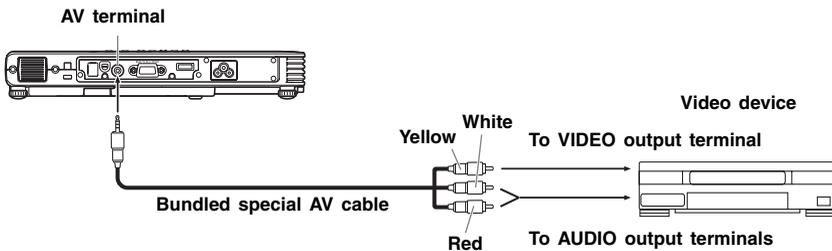
Connecting to a Standard Video Device

You can use the projector to project an image from a video deck, TV, video camera, or other video device.

Important!

- Always turn off the projector and the video device before connecting them.

Projector



- You can use the bundled special AV cable to connect to a pin jack (RCA) type VIDEO output terminal. When connecting a video camera or other video device with a special video output terminal, use the special cable that comes with the video device. For details, see the documentation that comes with the video device.

NOTE

For details about the following types of connections, see the User's Guide on the CD-ROM that comes with the projector.

- Projector and component video output of video device
- Projector and HDMI output of video device or computer

Turning On the Projector

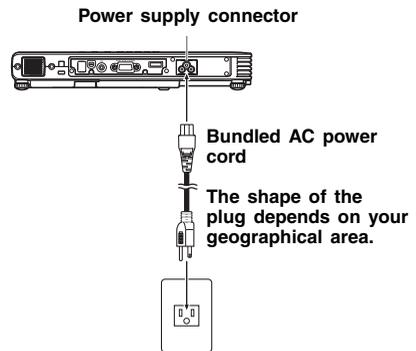
Before performing any of the operations in this section, make sure you first set up the projector and connect to an output device.

AC Power Cord Precautions

- Use the AC power cord that comes with the projector.
- Make sure that you use a power source with the same voltage as that specified for the projector.
- Do not share the outlet supplying power to the projector with other devices. If you are using an extension cord, make sure that the ampere rating of the extension cord is compatible with the power consumption value of this projector.
- Never use the power cord while it is still bundled together.
- Never place objects on top of the power cord and do not step on it.
- Never pull on the power cord. When unplugging it, grasp the plug.
- Use a conveniently located power outlet that you can reach easily when you need to unplug the projector.
- If you need more information about the power supply, contact your original dealer or authorized CASIO service center.

To turn on the projector

1. Use the bundled AC power cord to plug the projector into a power outlet.
 - Plugging into a power outlet causes the three indicators on the top of the projector to light amber. After a short while, two of the indicators will go out and only the POWER/STANDBY indicator will remain lit amber, which indicates the standby state.
 - Note that the projector will not turn on if you press the [⏻] (power) key while all three indicators are lit amber. Wait until the projector is in the standby state before trying to turn it on.



NOTE

- This product is also designed for IT power distribution system with phase-to-phase voltage 230V.

2. Turn on the computer or video device that is connected to the projector.
3. If the projector's lens cover is closed, open it.
 - Do not try to force the lens cover open past horizontal. Doing so creates the risk of malfunction.

4. Press the [⏻] (power) key.

- This causes the POWER/STANDBY indicator to flash green, which indicates that the projector is warming up.
- After warm up is complete, POWER/STANDBY indicator stops flashing and remains lit green, and the projector starts projecting an image from the device connected to it.
- A “Language” window will be projected the first time you turn on the projector. Use the procedure under “Specifying the Display Message Language” on the page E-17 to configure the language settings.

NOTE

- If the Eco Mode is turned on, the LAMP indicator will light green when warm up starts.
- If the projector is hot when you plug the AC power cord into a power outlet, it will go into a cool down state. The cool down state is indicated by the POWER/STANDBY indicator flashing orange.
Note that the projector will not turn on until cool down is complete, even if you press the [⏻] (power) key.
The projector will enter the standby state after cool down is complete. At that time you will be able to turn the projector on.
- The password feature lets you limit use of the projector to specific individuals. For more information, see “Option Settings 1 → Power On Password” in the User’s Guide (UsersGuide_English.pdf) on the CD-ROM that comes with the projector.

Specifying the Display Message Language

A “Language” window will be projected the first time you turn on the projector. Use the menu on this screen to specify the display language you want to use.

1. Use the cursor [▲] and [▼] keys to highlight the language you want to use.

Language		
Select a language : English	[▲]/[▼]: Scroll	[ENTER]: Apply
Selectionner une langue : Français	[▲]/[▼]: Faire defiler	[ENTER]: Appliquer
Wählen Sie eine Sprache : Deutsch	[▲]/[▼]: Scrollen	[ENTER]: Anwenden
Seleziona una lingua : Italiano	[▲]/[▼]: Scorrimento	[ENTER]: Applicazione
Seleccionar un idioma : Español	[▲]/[▼]: Desplazar	[ENTER]: Aplicar
Välj ett språk : Svenska	[▲]/[▼]: Rulla	[ENTER]: Tillämpa
選擇語言 : 中文(簡體字)	[▲]/[▼]: 選擇	[ENTER]: 採用
選擇語言 : 中文(繁體字)	[▲]/[▼]: 選擇	[ENTER]: 套用
언어 선택하기 : 한국어	[▲]/[▼]: 스크롤	[ENTER]: 적용
言語を選択してください : 日本語	[▲]/[▼]: 選択	[ENTER]: 決定
[▲]/[▼]: Scroll [ENTER]: Apply		

2. Press the [ENTER] key.

Turning Off the Projector

Caution

- When you turn off the projector, the lamp goes out and the projector goes into a cool down state. Note that you will not be able to turn the projector back on again while it is cooling down.
 - The projector may remain quite hot for a while after you turn it off. Take care when moving the projector or otherwise handling it after use. See “Precaution when Handling the Projector after Use” (page E-8) for more information.
 - Make sure that the projector is cooled down sufficiently before storing it.
-

To turn off the projector

1. Press the [⏻] (power) key.
 - This causes the confirmation message “Do you want to turn off the projector?” to appear in the center of the projection screen.
 - If you do not turn off the projector the confirmation message will disappear automatically after about 10 seconds. The confirmation message will also disappear if you press [ESC] key.
2. To turn off the projector, press the [⏻] (power) key again in response to the confirmation message.
 - This causes the projector lamp to go out and stops projection.
 - Also the POWER/STANDBY indicator starts to flash amber, which indicates that the projector is cooling down.
 - The projector will not turn back on again while it is cooling down.
 - After cool down is finished, the POWER/STANDBY indicator on the top of the projector will light amber, which indicates the standby state. You can now turn the projector back on, if you want.
3. After checking to make sure that the POWER/STANDBY indicator has stopped flashing amber and remains lit, unplug the AC power cord from the power outlet.
 - This causes the POWER/STANDBY indicator to go out.
4. After ensuring that the projector and the connected computer or video device are turned off, disconnect the connecting cables from the projector and the connected device.
5. Close the lens cover.

NOTE

- Auto Power Off automatically turns off the projector whenever there is no input signal, and no operation is performed on the projector for about 30 minutes. When Auto Power Off is triggered, the projector first enters a cool down state, the same as it does when you press the [⏻] (power) key to turn it off.
 - While Direct Power On is enabled on the setup menu, the projector will turn off automatically if no key operation is performed and no signal input is received within about 10 minutes after it is turned on.
-

Selecting the Input Source

When you turn on the projector, it first checks for a signal in the sequence: COMPUTER terminal, HDMI port, VIDEO terminal.

When the projector detects an input signal, it automatically selects it and starts projecting the signal's image.

Whenever you want to manually trigger an input source search operation, press the [INPUT] key.

Important!

- Resolution

The projector outputs images using WXGA (1280 pixels × 800 pixels) video resolution. The projected image may appear relatively coarse and text in the image may not be readable when the input signal from the connected computer is any resolution other than WXGA. If this happens, try changing the output resolution setting of the computer to WXGA. See the user documentation that comes with your computer for details about changing its settings.



NOTE

- When the projector detects an input source after an auto or manual select operation, the name of the newly selected source will appear in the projected image for a few seconds.
- The message "No signal input." will appear if no input signal can be selected.

Adjusting the Projected Image

To adjust the size of the projected image

Hold down the [ZOOM +] key to increase the size of the image or the [ZOOM -] key to decrease it. When the image is the size you want, release the key.

Projector key operation

Press the [ZOOM] key and then hold down the [▶] or [▲] key to increase the size of the image, press the [ZOOM] key and then hold down the [◀] or [▼] key to decrease it. When the image is the size you want, release the key.

To adjust image focus

Hold down the [FOCUS ▲] or [FOCUS ▼] key. When the focus is the way you want, release the key.

Projector key operation

Press the [FOCUS] key and then hold down the [◀] ([▼]) or [▶] ([▲]) key to focus. When focus is the way you want, release the key.

Auto Adjustment of an RGB Image

When the input source is RGB (computer), the projector automatically adjusts vertical and horizontal positioning, frequency, and phase whenever it detects an RGB signal (following input source selection, power up, etc.). You can also execute an automatic adjustment operation by pressing the [AUTO] key.



NOTE

- You can turn off auto adjustment when you want to disable auto adjustment and maintain manual settings.
- The projected image may become distorted while an auto adjustment operation is in progress.
- If an image is unclear following the auto adjustment operation, you can use the menu to adjust items manually.

Keystone Correction (KEYSTONE)

When the projector is at an angle to the screen it is projecting on, the projected image may have different length top and bottom edges. This phenomenon is called, “keystoning”. This projector comes with functions for automatic as well as manual keystone correction, which provides a regularly shaped projected image.

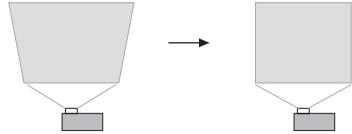
Important!

- Keystone correction can cause the corrected image to be smaller than the original (uncorrected) image, or it can cause distortion of the image. If the projected image becomes difficult to view, try moving the screen and/or projector so they are oriented close to the configuration shown under “Setting Up the Projector” on page E-12.
- The projector does not support horizontal keystone correction. The center of the projector’s lens should be aligned with the horizontal center of the screen (page E-12).

Automatic Keystone Correction

When “On” is selected for the “Option Settings 1 → Auto Keystone Correction” setting of the Setup Menu, the projector will detect the vertical orientation of the object in the image and adjust its shape automatically so it appears as a rectangle. The message “Auto Keystone Corrected.” appears in the center of the projected image when the projector performs auto keystone correction.

- The projector’s auto keystone correction range is 0 to +30 degrees. If the surface you are projecting onto is angled downwards from horizontal, use manual keystone correction to correct the image.



NOTE

- Auto keystone correction is performed by detecting the elevation angle of the projector. This means that the surface you are projecting onto needs to be standing straight up. If the surface you are projecting onto is not straight, use manual keystone correction to correct the image.

To use manual keystone correction

1. Press the [KEYSTONE +] or [KEYSTONE -] key.
 - This causes the keystone correction screen to appear on the projected image.
2. Use the [KEYSTONE +] and [KEYSTONE -] keys to correct for keystoning.
 - Correction can be performed for keystoning within $\pm 30^\circ$.
3. To close the setup screen, press the [ESC] key.

Using the Setup Menu

Pressing the [MENU] key while an image is being projected displays the setup menu on the projected image. The setup menu can be used to configure a variety of different projector settings. Use the cursor keys and [ENTER] key to select and configure settings.

- The menu items that can be set (or displayed) depend on the current input source.
- For detailed information about settings and how they are configured, see the User's Guide (UsersGuide_English.pdf) on the CD-ROM that comes with the projector.

Setup Menu Contents

[Image Adjustment 1] main menu
Brightness
Contrast
Sharpness
Saturation
Tint
Color Mode
Color Balance
Noise Filter
Restore Menu Defaults
[Image Adjustment 2] main menu
Vertical Position
Horizontal Position
Frequency
Phase
Restore Menu Defaults
[Volume Adjustment] main menu
Volume
Restore Menu Defaults

[Screen Settings] main menu
Keystone Correction
Aspect Ratio
Projection Mode
Ceiling Mount
Startup Screen
No Signal Screen
Blank Screen
Restore Menu Defaults
[Input Settings] main menu
COMPUTER Terminal
Video Signal
Signal Name Indicator
Restore Menu Defaults
[Option Settings 1] main menu
Auto Keystone Correction
Auto Adjust
Eco Mode
Auto Power Off
Power On Password
Direct Power On
Language
Restore Menu Defaults

[Option Settings 2] main menu
Zoom Memory
Pointer
HDMI Audio Out
High Altitude
Restore Menu Defaults
[Operational Info] main menu
Input Signal
Signal Name
Resolution
Horizontal Frequency
Vertical Frequency
Scan System
Lamp Time
Reset Lamp Time
[Restore All Defaults] main menu
Unit Operating Time
Restore All Defaults

User Maintenance

Cleaning the Projector

Periodically clean the projector exterior, lens, intake vents, and exhaust vents on a regular basis.

Cleaning Intake and Exhaust Vents

Dust and dirt tend to collect around the intake vents located on the back and both sides of the projector. Because of this, you should use a vacuum cleaner to clean away accumulated dust and dirt periodically.

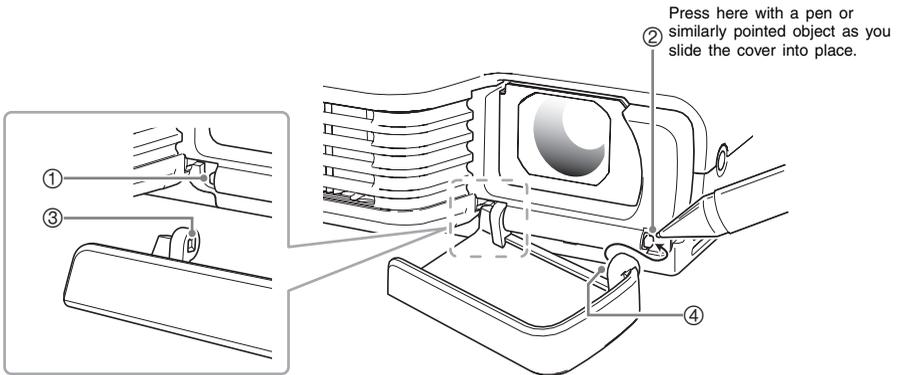
Important!

- Continued use of the projector after dust has accumulated around the intake vents can cause overheating of internal components and lead to malfunction.
- Certain operating conditions also can cause dirt and dust to accumulate around the projector's exhaust vents on the front. If this happens, use the same procedure as that described above to clean the exhaust vents.

Reattaching the Lens Cover

Use the following procedure to replace the lens cover if it should accidentally become detached from the projector.

1. Insert the nub (①) of the tab under the lens into the depression (③) of the left tab of the lens cover.
 - When performing the above step, make sure that the lens cover is open to 90 degrees in relation to the front of the Data Projector.



2. Keeping the left nub (①) in the left depression (③), gently press the lens cover towards the right as you insert the nub (②) of the right tab under the lens into the depression (④) of the right lens cover tab.
 - Do not apply undue force to the lens cover when performing the above step. Pressing too strongly can damage the tabs of the lens cover.

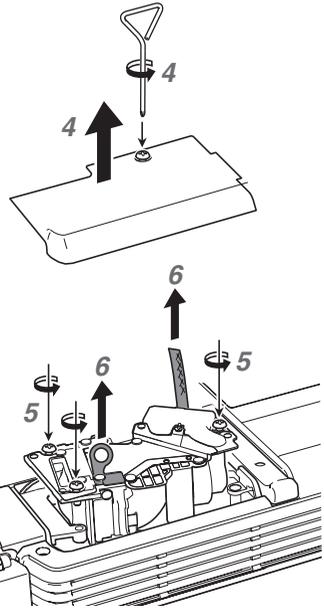
Replacing the Lamp

 Caution	<ul style="list-style-type: none"> Continued use of a lamp that has passed its lamp life increases the risk of the lamp rupturing. Replace the lamp with a new one as soon as possible after the replacement message appears.
--	--

- The light source lamp is a consumable item. The average life of a lamp is approximately 2000 hours. After 2000 hours, a message appears to alert you to the need of lamp replacement. However, note that the characteristics of a particular lamp or lamp operating conditions can cause the lamp to start to go dim or even fail before the message appears.
- You can use the setup menu to check the current lamp use time.
- When replacing the lamp, use the special screwdriver that comes with the replacement lamp. The projector does not come with a screwdriver.
- Before starting the operation below, be sure to have the User's Guide on the CD-ROM that comes with the projector on hand. You will need to refer to the User's Guide after replacing the lamp.

To replace the lamp

- Turn off the projector and unplug its AC power cord.
- Wait for about 60 minutes to allow the projector's current lamp to cool down completely.
- Turn over the projector and place it on top of a desk or on some other stable surface.
- Loosen the lamp cover screw, and then remove the lamp cover.
- Loosen the three screws indicated by the Δ marks.
- Pull up on the handle or ribbon to remove the lamp cartridge.
- Insert the new lamp cartridge as far as it will go.
 - Take care to avoid touching the lamp (glass) and the mirrors inside the projector. Doing so can cause the lamp to rupture, shorten lamp life, and otherwise affect lamp performance.
- Secure the lamp cartridge with the three screws.
- Return the lamp cover to its original position, and secure it with the screw.
 - After replacing the lamp, be sure to perform the procedure under "Resetting the Lamp Time" in the User's Guide on the CD-ROM that comes with the projector.



Important!

- Disposing of the Lamp (U.S.A. Only)**
This product utilizes a lamp containing mercury. Disposal of the lamp may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: <http://www.eiae.org>.

Troubleshooting

Indicators

Indicators keep you informed about the current operational status of the projector. The following shows what the indicators look like when operation is normal.

When this indicator:	Is this:	It means this:
POWER :	Amber steady	You have just plugged the AC power cord into a power outlet. Wait until the projector enters the standby state (see below) before trying to turn on power.
TEMP :	Amber steady	
LAMP :	Amber steady	
POWER :	Amber steady	Standby state: The AC power cord is plugged in and the projector is in standby.
POWER :	Green flashing	Projector is warming up after being turned on.
POWER :	Green steady	Projector is on and standing by for use.
POWER :	Amber flashing	Projector is cooling down after being turned off. If the projector is hot when you plug the AC power cord into a power outlet, it also goes into a cool down state.
LAMP :	Green steady	The projector's Eco Mode is turned on.

- When a warning message appears on the projection screen, or when the POWER, TEMP, and LAMP indicators are lit or flashing in a pattern other than those shown above, it means that a projector error has occurred. For details about indicators and warning messages, see the User's Guide on the CD-ROM that comes with the projector.

Projector Troubleshooting

Check the following items whenever you experience any problem with the projector.

Problem	Cause and Recommended Action	See
The projector does not turn on when I press the [⏻] (power) key.	If the POWER/STANDBY indicator is not lit, the AC power cord may not be connected correctly. → Make sure the AC power cord is connected correctly to the projector and the power outlet (see "Turning On the Projector").	page E-16
	When the POWER and LAMP indicators are lit red (TEMP indicator unlit), it means that the projector cannot be turned on because the lamp life has expired. Replace the lamp. Note that after replacing the lamp you also will need to reset the lamp time.	page E-23 User's Guide (UsersGuide_English.pdf)
	If the TEMP or LAMP indicator remains flashing or lit, it means some type of error has occurred. → See "Error Indicators and Warning Messages".	User's Guide (UsersGuide_English.pdf)

Problem	Cause and Recommended Action	See
<p>The projector does not project any image from the connected device.</p>	<p>The connected computer or video device may not be turned on, or it may not be outputting a video signal. → Make sure the connected computer or video device is turned on, and perform the required operation on it to output a video signal.</p>	<p>—</p>
	<p>The correct input source is not selected on the projector. → On the projector, select the input source that corresponds to the device whose image you are trying to project (see “Selecting the Input Source”).</p>	<p>page E-19</p>
<p>The projector does not correctly project the image from the connected device.</p>	<p>Images may not project correctly when you have the component output terminal of a video device connected to the COMPUTER terminal of the projector. → Try using the projector’s AV terminal (see “Connecting to a Standard Video Device”).</p>	<p>page E-15</p>
<p>When RGB/Component is selected as the input source, the color of the projected image or the image itself is abnormal.</p>	<p>The wrong option (“Component” or “RGB”) may be selected for the “Input Settings → COMPUTER Terminal” setting on the setup menu. The image will not be projected correctly if “Component” is selected while the projector’s COMPUTER terminal is connected to the RGB output terminal of a computer, or if “RGB” is selected while the projector’s COMPUTER terminal is connected to the component video output terminal of a video device. → Use the setup menu to change the “Input Settings → COMPUTER Terminal” setting to “Auto” to correct the problem.</p>	<p>User’s Guide (UsersGuide_English.pdf)</p>
<p>I can’t understand messages or menus because they are the wrong language.</p>	<p>Perform the following operation to select the language you want.</p> <ol style="list-style-type: none"> 1. Press the [MENU] key to display the setup menu. 2. Press [▼] five times and then press the [ENTER] key. 3. Press [▼] six times and then press the [ENTER] key. 4. Use the [▼] and [▲] keys to move the highlighting to the language you want to select and then press the [ENTER] key. 5. Press the [MENU] key to exit the setup menu. 	<p>User’s Guide (UsersGuide_English.pdf)</p>

Troubleshooting

Problem	Cause and Recommended Action	See
<p>No sound comes out of the projector after I connect it to another device.</p>	<ul style="list-style-type: none"> ● The projector's volume level setting may be too low or muted. → Press the remote controller [VOLUME] key and use [◀] and [▶] to adjust the volume level. ● The volume level setting of the device connected to the computer may be too low or the other device is not outputting audio. → Adjust the volume level of the connected device. ● The audio output of the connected device may not be connected correctly to the projector's AV terminal. → Refer to one of the following (depending on the type of connected device) to check the connection. <ul style="list-style-type: none"> “Connecting a Computer to the Projector” “Connecting to a Standard Video Device” “Connecting to a Component Video Output Device” ● When a video device's or computer's HDMI output is connected to the HDMI port of the projector, “Line” may be selected for the “Option Settings 2 → HDMI Audio Out” setting on the setup menu. → Change the “HDMI Audio Out” setting on the setup menu to “Speaker”. 	<p>User's Guide (UsersGuide_English.pdf)</p> <p>Device user documentation</p> <p>page E-15</p> <p>page E-15</p> <p>User's Guide (UsersGuide_English.pdf)</p> <p>User's Guide (UsersGuide_English.pdf)</p>
<p>The color of the projected image is strange.</p>	<p>The input signal may not match projector settings. Try doing the following.</p> <ul style="list-style-type: none"> → Use the [BRIGHT] key to adjust image brightness. → Use the [COLOR MODE] key to change the color mode. → On the setup menu, use the “Image Adjustment 1 → Color Balance” setting to adjust the color balance. 	<p>User's Guide (UsersGuide_English.pdf)</p>
<p>Text in the projected image is broken up.</p>	<ul style="list-style-type: none"> ● The image may be out of focus. → On the remote controller, use the [FOCUS ▲] and [FOCUS ▼] keys to adjust image focus. ● If text is broken up even though the image is in focus and the input source is a computer, the projector's frequency and/or phase setting may not be compatible with the input signal. → Press the [AUTO] key to execute an automatic adjustment operation. If this does not correct the problem, use the setup menu to adjust the “Image Adjustment 2 → Frequency” and “Image Adjustment 2 → Phase” settings manually. ● If the input source is a video camera or document camera, check to make sure there is no problem with the input source. 	<p>page E-19</p> <p>page E-19</p> <p>User's Guide (UsersGuide_English.pdf)</p> <p>Device user documentation</p>
<p>The message “Input the password.” appears and further operation is not possible.</p>	<p>The “Option Settings 1 → Power On Password” setting on the setup menu is turned on, so the projector is password protected.</p> <ul style="list-style-type: none"> → Input the correct password, and then press the [ENTER] key. 	<p>User's Guide (UsersGuide_English.pdf)</p>

Problem	Cause and Recommended Action	See
The remote controller does not work.	The remote controller battery may be dead. → Replace the battery (see “Replacing the Remote Controller Battery”).	User's Guide (UsersGuide_English.pdf)
	The remote controller may be too far from the projector. → Make sure the remote controller is within the allowable range when you operate it.	User's Guide (UsersGuide_English.pdf)
The TEMP or LAMP indicator is flashing or lit.	→ See “Error Indicators and Warning Messages”.	User's Guide (UsersGuide_English.pdf)
The message “It is time to replace the lamp.” is being projected.	It is time to replace the lamp. → Replace the lamp (see “Replacing the Lamp”).	page E-23
The message “The lamp has exceeded its service life!” is being projected.	The allowable life for the lamp has been exceeded, and the projector will not turn on. → Replace the lamp (see “Replacing the Lamp”).	page E-23

Important!

Try performing the following steps, which may or may not return the projector to normal operation.

1. Press the [⏻] (power) key to turn off the projector.
2. After the projector's cool down is finished and the fan is completely stopped, unplug the AC power cord.
3. Plug the power cord back in and turn the projector back on again.

* If the power off confirmation message does not appear when you press the [⏻] (power) key, unplug the AC power cord and wait for at least 10 minutes. Then plug the power cord back in and turn the projector back on again.

If normal operation does not resume after you perform the above steps, take the projector to your retailer or authorized CASIO Service Center.

Specifications

Model Name	XJ-S43W
Brightness (ANSI Lumens)*	2500
Projection System	DLP
DLP chip	Size: 0.65 inch, Number of Pixels: WXGA (1280 × 800)
Projection Lens	Optical 2X zoom, electric focus
Light Source	210W high-pressure mercury lamp
COMPUTER terminal	RGB mini D-Sub 15-pin × 1 (Also used as component signal input terminal.)
AV terminal	Audio (stereo) input and video input, 3.5ϕ mini jack × 1
HDMI port	HDMI Type A socket × 1
Serial port	For RS-232C control, special terminal × 1
Environment	Operating Temperature: 5 to 35°C (41 to 95°F) Operating Humidity: 20 to 80% (non-condensation) Operating Altitude: 0 to 3,000 meters (0 to 10,000 feet) above sea level
Power Requirements	100-240V AC, 50/60Hz, 3.3A-1.4A
Approximate Dimensions	270 (W) × 199 (D) × 43 (H) mm (Excluding projections. 32 mm at thinnest part) 10.6" × 7.8" × 1.7" (Excluding projections. 1.3" at thinnest part)
Weight	Approximately 1.8kg (4.0lbs)
Display Languages	English, French, German, Italian, Spanish, Swedish, Chinese (Simplified), Chinese (Traditional), Korean, Japanese

* Compliance with ISO21118-2005

- Specifications are subject to change without notice.