### SPECIAL NOTE FOR USERS IN THE U.K.

The mains lead of this product is fitted with a non-rewireable (moulded) plug incorporating a 13A fuse. Should the fuse need to be replaced, a BSI or ASTA approved BS 1362 fuse marked ⚠️ or ⚠️ and of the same rating as above, which is also indicated on the pin face of the plug, must be used.

Always refit the fuse cover after replacing the fuse. Never use the plug without the fuse cover fitted.

In the unlikely event of the socket outlet in your home not being compatible with the plug supplied, cut off the mains plug and fit an appropriate type.

**DANGER:**

The fuse from the cut-off plug should be removed and the cut-off plug destroyed immediately and disposed of in a safe manner.

Under no circumstances should the cut-off plug be inserted elsewhere into a 13A socket outlet, as a serious electric shock may occur.

To fit an appropriate plug to the mains lead, follow the instructions below:

**WARNING:**

**THIS APPARATUS MUST BE EARTHED.**

**IMPORTANT:**

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

<table>
<thead>
<tr>
<th>Colour</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green-and-yellow</td>
<td>Earth</td>
</tr>
<tr>
<td>Blue</td>
<td>Neutral</td>
</tr>
<tr>
<td>Brown</td>
<td>Live</td>
</tr>
</tbody>
</table>

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

- The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⚠️ or coloured green or green-and-yellow.
- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

**IF YOU HAVE ANY DOUBT, CONSULT A QUALIFIED ELECTRICIAN.**

---

The supplied CD-ROM contains operation instructions in English, German, French, Spanish, Italian, Dutch, Swedish, Portuguese, Chinese, Korean and Japanese. Carefully read through the operation instructions before operating the projector.


Le CD-ROM fourni contient les instructions de fonctionnement en anglais, allemand, français, espagnol, italien, néerlandais, suédois, portugais, chinois, coréen et japonais. Veillez lire attentivement ces instructions avant de faire fonctionner le projecteur.

El CD-ROM suministrado contiene instrucciones de operación en inglés, alemán, francés, español, italiano, holandés, sueco, portugués, chino, coreano y japonés. Lea cuidadosamente las instrucciones de operación antes de utilizar el proyector.

Il CD-ROM in dotazione contiene istruzioni per l’uso in inglese, tedesco, francese, spagnolo, italiano, olandese, svedese, portoghese, cinese, coreano e giapponese. Leggere attentamente le istruzioni per l’uso prima di usare il proiettore.

O CD-ROM fornecido contém instruções de operação em Inglês, Alemão, Francês, Espanhol, Italiano, Holandês, Sueco, Português, Chinês, Coreano e Japonês. Leia cuidadosamente todas as instruções de operação antes de operar o projetor.
Before using the projector, please read this owner's manual carefully.

**Introduction**

**1. WARRANTY**
This is to assure that you immediately receive the full benefit of the parts, service and labor warranty applicable to your purchase.

**2. CONSUMER PRODUCT SAFETY ACT**
To ensure that you will promptly receive any safety notification of inspection, modification, or recall that EIKI may be required to give under the 1972 Consumer Product Safety Act, PLEASE READ CAREFULLY THE IMPORTANT “LIMITED WARRANTY” CLAUSE.

**WARNING:**
High brightness light source. Do not stare into the beam of light, or view directly. Be especially careful that children do not stare directly into the beam of light.

**WARNING:**
To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

See side of projector.

**CAUTION:**
RISK OF ELECTRIC SHOCK. DO NOT REMOVE SCREWS EXCEPT SPECIFIED USER SERVICE SCREW.

**CAUTION:**
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS EXCEPT LAMP UNIT. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk or electric shock to persons.

The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**WARNING:**
FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user’s authority to operate this equipment.

**INFORMATION**
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the owner’s manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

The enclosed computer cable must be used with the device. The cable is provided to ensure that the device complies with FCC Class A verification.

**WARNING:**
This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
PRODUCT DISPOSAL
This product utilizes tin-lead solder, and lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities, the Electronics Industries Alliance: www.eiae.org, the lamp recycling organization www.lamprecycle.org, or 1-800-242-3454.

Caution Concerning Lamp Replacement
See “Replacing the Lamp” on page 71.

This EIKI projector uses a DLP® chip. This very sophisticated panel contains 1,024,000 pixels (micromirrors). As with any high technology electronic equipment such as large screen TVs, video systems and video cameras, there are certain acceptable tolerances that the equipment must conform to. This unit has some inactive pixels within acceptable tolerances which may result in inactive dots on the picture screen. This will not affect the picture quality or the life expectancy of the unit.

- DLP® and the DLP logo are registered trademarks of Texas Instruments.
- Microsoft® and Windows® are registered trademarks of Microsoft Corporation in the United States and/or other countries.
- PC/AT is a registered trademark of International Business Machines Corporation in the United States.
- Adobe® Reader® is a trademark of Adobe Systems Incorporated.
- Macintosh® is a registered trademark of Apple Computer, Inc. in the United States and/or other countries.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- PJLink is a registered trademark or an application trademark in Japan, the United States and/or other countries/regions.
- All other company or product names are trademarks or registered trademarks of their respective companies.
- Some IC chips in this product include confidential and/or trade secret property belonging to Texas Instruments. Therefore you may not copy, modify, adapt, translate, distribute, reverse engineer, reverse assemble or discompile the contents thereof.

Authorized representative responsible for the European Union Community Market
EIKI Deutschland GmbH
Am Frauwald 12, 65510 Idstein

U.S.A. ONLY

E.U. ONLY
In this owner’s manual, the illustrations and on-screen displays are simplified for explanation. This may differ from the actual on-screen display.

**Using the Menu Screen**

- **INFO** Indicates safeguards when using the projector.
- **Note** Indicates additional information for setting up and operating the projector.

**For Future Reference**

- **Maintenance** ➤ Page 66
- **Troubleshooting** ➤ Pages 79 and 80
- **Index** ➤ Page 82
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The optional lenses are introduced on page 12. Please purchase the lens for your desired usage.
## Contents

Refer to the “SETUP MANUAL” contained on the supplied CD-ROM for details.

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PDF owner’s manuals in several languages are included in the CD-ROM, so that you can work with the projector. To utilize these manuals, you need to install Adobe® Reader® on your computer (Windows® or Macintosh®).

Please download Adobe® Reader® from the Internet (http://www.adobe.com).

Accessing the PDF owner’s manuals

For Windows®:
① Insert the CD-ROM in the CD-ROM drive.
② Double click the “My Computer” icon.
③ Double click the “CD-ROM” drive.
④ When you want to view the owner’s manual
   1) Double click the “MANUALS” folder.
   2) Double click the language (name of the folder) that you want to view.
   3) Double click the pdf file to access the projector manuals.

When you want to view the setup manual
1) Double click the “SETUP” folder.
2) Double click the language (name of the folder) that you want to view.
3) Double click the pdf file to access the SETUP MANUAL.

For Macintosh®:
① Insert the CD-ROM in the CD-ROM drive.
② Double click the “CD-ROM” icon.
③ When you want to view the owner’s manual
   1) Double click the “MANUALS” folder.
   2) Double click the language (name of the folder) that you want to view.
   3) Double click the pdf file to access the projector manuals.

When you want to view the setup manual
1) Double click the “SETUP” folder.
2) Double click the language (name of the folder) that you want to view.
3) Double click the pdf file to access the SETUP MANUAL.

Info
• If the desired pdf file cannot be opened by double clicking the mouse, start Adobe® Reader® first, then specify the desired file using the “File”, “Open” menu.
CAUTION: Please read all of these instructions before you operate this product and save these instructions for later use.

Electrical energy can perform many useful functions. This product has been engineered and manufactured to assure your personal safety. BUT IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARDS. In order not to defeat the safeguards incorporated in this product, observe the following basic rules for its installation, use and servicing.

1. Read Instructions
   All the safety and operating instructions should be read before the product is operated.

2. Retain Instructions
   The safety and operating instructions should be retained for future reference.

3. Heed Warnings
   All warnings on the product and in the operating instructions should be adhered to.

4. Follow Instructions
   All operating and use instructions should be followed.

5. Cleaning
   Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Attachments
   Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7. Water and Moisture
   Do not use this product near water—for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

8. Accessories
   Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9. Transportation
   A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

10. Ventilation
    Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating; these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should be situated away from heat sources such as radiators, heat registers, stoves, or other products that produce heat. This product should be mounted to a wall or ceiling only as recommended by the manufacturer as they may cause hazards.

11. Power Sources
    This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Grounding or Polarization
    This product is provided with one of the following types of plugs. If the plug should fail to fit into the power outlet, please contact your electrician.
    a. Two-wire type (mains) plug.
    b. Three-wire grounding type (mains) plug with a grounding terminal.
       This plug will only fit into a grounding type power outlet.

13. Power-Cord Protection
    Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14. Lightning
    For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the product due to lightning and power-line surges.

15. Overloading
    Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

16. Object and Liquid Entry
    Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

17. Servicing
    Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

18. Damage Requiring Service
    Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a. When the power-supply cord or plug is damaged.
    b. If liquid has been spilled, or objects have fallen into the product.
    c. If the product has been exposed to rain or water.
    d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
    e. If the product has been dropped or damaged in any way.
    f. When the product exhibits a distinct change in performance, this indicates a need for service.

19. Replacement Parts
    When replacement parts are required, ensure that the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

20. Safety Check
    Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

21. Wall or Ceiling Mounting
    This product should be mounted to a wall or ceiling only as recommended by the manufacturer.

22. Heat
    This product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
Ensure that you read the following safeguards when setting up your projector.

Caution concerning the lamp unit
■ Potential hazard of glass particles if lamp ruptures. In case of lamp rupture, contact your nearest EIKI Authorized Dealer or Service Center for replacement. See “Regarding the Lamp” on page 71.

Caution concerning the setup of the projector
■ For minimal servicing and to maintain high image quality, EIKI recommends that this projector be installed in an area free from humidity, dust and cigarette smoke. When the projector is subjected to these environments, the vents and lens must be cleaned more often. As long as the projector is regularly cleaned, use in these environments will not reduce the overall operation life of the unit. Internal cleaning should only be performed by an EIKI Authorized Dealer or Service Center.

Do not set up the projector in places exposed to direct sunlight or bright light.
■ Position the screen so that it is not in direct sunlight or room light. Light falling directly on the screen washes out the colors, making viewing difficult. Close the curtains and dim the lights when setting up the screen in a sunny or bright room.

The projector may be safely tilted to a maximum angle of 9 degrees.
■ Placement should be within 9 degrees of horizontal.
If you have application requiring tilt angle exceeding 9 degrees, please check with your local EIKI sales office.

When using the projector in high-altitude areas such as mountains (at altitudes of approximately 1,500 meters (4,900 feet) or more)
■ When you use the projector in high-altitude areas with thin air, set “Fan Mode” to “High”. Neglecting this can affect the longevity of the optical system.

Warning about placing the projector in a high position
■ When placing the projector in a high position, make certain it is carefully secured to avoid personal injury caused by the projector falling down.

Do not subject the projector to hard impact and/or vibration.
■ Take care with the lens so as not to hit or damage the surface of the lens.

Rest your eyes occasionally.
■ Continuously watching the screen for long hours will cause eye strain. Take regular breaks to rest your eyes.

Avoid locations with extremes of temperature.
■ The operating temperature of the projector is from 41°F to 104°F (+5°C to +40°C).
■ The storage temperature of the projector is from –4°F to 140°F (–20°C to +60°C).
Do not block the intake and exhaust vents.
- Allow at least 11 13/16 inches (30 cm) of space between the exhaust vent and the nearest wall or obstruction.
- Set up the projector where air will not stay near its exhaust vent. In order to avoid allowing the heat from the exhaust vent to enter the intake vent area, leave at least more than 11 13/16 inches (30 cm) of space between the intake vent and the surrounding walls or objects.
- If the cooling fan becomes obstructed, a protection circuit will automatically put the projector into standby mode to prevent overheat damage. This does not indicate a malfunction (See pages 69 and 70.). Remove the projector power cord from the wall outlet and wait at least 10 minutes. Place the projector where the intake and exhaust vents are not blocked, plug the power cord back in and turn on the projector. This will return the projector to the normal operating condition.

Caution regarding usage of the projector
- When using the projector, take care not to subject it to hard impact and/or vibration, as this can result in damage. Take extra care with the lens. If you are not to use the projector for a long time, make certain you unplug the power cord from the wall outlet, and disconnect any other cables connected to it.
- Do not carry the projector by holding the lens.
- When storing the projector, ensure you attach the lens cap or dustproof cap to the projector. (See page 13.)
- Do not expose the projector to direct sunlight or near heat sources. The projector may change color or become deformed.

Other connected equipment
- When connecting a computer or other audio-visual equipment to the projector, make the connections AFTER unplugging the power cord of the projector from the AC outlet and turning off the equipment to be connected.
- Please read the owner’s manuals of the projector and the equipment to be connected for instructions on how to make the connections.

Using the projector in other countries
- The power supply voltage and the shape of the plug may vary depending on the region or country you are using the projector in. When using the projector overseas, make sure you use an appropriate power cord for the country you are in.

Temperature monitor function
- If the projector starts to overheat due to setup problems or blockage of the air vents, “!” and “” will illuminate in the lower left corner of the picture. If the temperature continues to rise, the lamp will turn off, the temperature warning indicator on the projector will blink, and after a 90-second cooling-off period the projector will enter the standby mode. Refer to “Maintenance Indicators” on page 69 for details.

Info
- The cooling fan regulates the internal temperature, and its performance is automatically controlled. The sound of the fan may change during projector operation due to changes in the fan speed. This does not indicate malfunction.
- Even if you unplug the power cord after projector operation, the cooling fan continues to run for a while. When you place the projector into the storage case, make sure that the cooling fan has stopped.

Optional lens installation
- For installing an optional lens, refer to “Attaching the Optional Lens” on page 77 or the lens installation manual (supplied with the optional lens).
- Remove the optional lens when carrying the projector. Carrying the projector with an optional lens attached can cause the projector to be damaged by vibration or other factors.
## Supplied accessories

- **Remote control**
- **Two R-6 batteries** (*“AA” size, UM/SUM-3, HP-7 or similar*)
- **Power cord***
  - For U.S., Canada, etc. (6’ (1.8 m))
    > <9NK3090204900>
  - For Europe, except U.K. (6’ (1.8 m))
    > <9NK3090152700>
  - Remote receiver
    > <9NK3790199300>

* Use the power cord that corresponds to the wall outlet in your country.

- **RGB cable** (10’ (3.0 m))
  > <9NK3080431000>
- **Lens cap** (Only supplied with EIP-WX5000)
- **Dustproof cap** (Only supplied with EIP-WX5000L)
- **Projector manual and technical reference CD-ROM**
- **Owner’s manual (this manual)**

### Note
- When the lens is attached, use the lens cap supplied with the lens.
- You can attach the dustproof cap to the projector only when no lens is attached. (Do not attach the dustproof cap when the lens is attached.)

### Optional accessory

- **Lamp unit**
  > AH-55001
Optional lenses

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<tr>
<td>Fixed wide lens (x 1.2)</td>
<td>AH-55301 8'7&quot; (2.6 m)</td>
</tr>
<tr>
<td>Wide-zoom lens (x 1.5 – 1.8)</td>
<td>AH-55401 10'9&quot; – 12'10&quot; (3.3 m – 3.9 m)</td>
</tr>
<tr>
<td>Standard zoom lens (x 1.8 – 2.25)</td>
<td>AH-55501 12'10&quot; – 16'1&quot; (3.9 m – 4.9 m)</td>
</tr>
<tr>
<td>(attached to EIP-WX5000)</td>
<td></td>
</tr>
<tr>
<td>Tele-zoom lens (x 2.25 – 3.0)</td>
<td>AH-55601 16'1&quot; – 21'6&quot; (4.9 m – 6.5 m)</td>
</tr>
<tr>
<td>Tele-zoom lens (x 3.0 – 4.5)</td>
<td>AH-55701 21'6&quot; – 32'3&quot; (6.5 m – 9.8 m)</td>
</tr>
<tr>
<td>Tele-zoom lens (x 4.5 – 7.0)</td>
<td>AH-55801 32'3&quot; – 50'1&quot; (9.8 m – 15.3 m)</td>
</tr>
</tbody>
</table>

No lens is attached to EIP-WX5000L. The standard zoom lens is attached to EIP-WX5000. The optional lenses from EIKI are also available for specialized application. Please see your nearest EIKI Authorized Dealer for details on all the lenses. (Refer to the lens owner’s manual when using a lens.)

Throw Distance

The graph below is for 100-inch (254 cm) screen with 16:10 normal mode.

Screen

- Fixed wide lens (AH-55201)
  - 5'9" (1.7 m)
  - Throw distance ratio 1:0.8

- Fixed wide lens (AH-55301)
  - 8'7" (2.6 m)
  - Throw distance ratio 1:1.2

- Wide-zoom lens (AH-55401)
  - 10'9" – 12'10" (3.3 m – 3.9 m)
  - Throw distance ratio 1:1.5–1.8

- Standard zoom lens (AH-55501 : Standard equipment with EIP-WX5000)
  - 12'10" – 16'1" (3.9 m – 4.9 m)
  - Throw distance ratio 1:1.8–2.25

- Tele-zoom lens (AH-55601)
  - 16'1" – 21'6" (4.9 m – 6.5 m)
  - Throw distance ratio 1:2.25–3.00

- Tele-zoom lens (AH-55701)
  - 21'6" – 32'3" (6.5 m – 9.8 m)
  - Throw distance ratio 1:3.0–4.5

- Tele-zoom lens (AH-55801)
  - 32'3" – 50'1" (9.8 m – 15.3 m)
  - Throw distance ratio 1:4.5–7.0
Part Names and Functions

Numbers in [ ] refer to the main pages in this owner’s manual where the topic is explained.

Projector

Rear View

H&V LENS SHIFT button
For shifting the lens horizontally and vertically.

STANDBY-ON button
For turning the power on or putting the projector into standby mode.

ZOOM buttons
For adjusting the projected image size.

FOCUS buttons
For adjusting the focus.

SHUTTER buttons
• OPEN: For opening the shutter.
• CLOSE: For closing the shutter and hiding the projected image.

AUTO SYNC button
For automatically adjusting images when connected to a computer.

Front View

Lamp 2 indicator
Temperature warning indicator
Speaker
Adjustment foot (on the bottom of the projector)

Attaching the lens cap/dustproof cap
Snap on the lens cap/dustproof cap straight.

Removing the lens cap/dustproof cap
Pull the lens cap/dustproof cap directly outward.

Lamp 1 indicator
Power indicator
Lamp unit cover
Speaker
Remote control sensor
Exhaust vent
Lens cover removal button
Adjustment foot (on the bottom of the projector)
Lens cover
Part Names and Functions

Numbers in refer to the main pages in this owner’s manual where the topic is explained.

**Projector (Rear View)**

**Terminals**

Refer to “Connecting the Projector to Other Equipment” on pages 24–26.

- **HDMI terminal**
  - Terminal for HDMI input.

- **DVI-D input terminals**
  - Terminals for DVI digital RGB and digital component signals and audio input terminal.

- **COMPUTER/COMPONENT1 input terminals**
  - Terminals for computer RGB and component signals and audio input terminal.

- **MONITOR OUT terminals**
  - • COMPUTER/COMPONENT output terminal for computer RGB and component signals. (Shared for COMPUTER/COMPONENT 1 and 2 input)
  - • AUDIO output terminal. (Shared for all inputs)

- **VIDEO input terminals**
  - Terminals for connecting video equipment and audio input terminal.

- **COMPUTER/COMPONENT 2 terminals**
  - BNC terminals for computer RGB and component signals and audio input terminal.

- **LAN terminal**
  - Terminal for controlling the projector using a computer via network.

- **RS-232C terminal**
  - Terminal for controlling the projector using a computer.

- **WIRED REMOTE terminal**
  - For connecting the remote control to the projector when the signals from the remote control cannot reach the remote control sensor.

- **S-VIDEO input terminals**
  - Terminals for connecting video equipment with an S-video terminal and audio input terminal.

- **AC socket**
  - Connect the supplied power cord.

- **Filter cover**
  - (Intake vent)

- **Carrying handle**
  - For carrying the projector.

- **Remote control sensor**

Using the Kensington Lock

- This projector has a Kensington Security Standard connector for use with a Kensington MicroSaver Security System. Refer to the information that came with the system for instructions on how to use it to secure the projector.
Remote Control

- **FOCUS buttons**: For adjusting the focus.
- **STANDBY-ON button**: For turning the power on or putting the projector into standby mode.
- **ZOOM buttons**: For adjusting the projected image size.
- **KEYSTONE button**: For entering the Keystone Correction mode.
- **MAGNIFY (enlarge/reduce) buttons**: For enlarging/reducing part of the image.
- **BREAK TIMER button**: For setting the break time.
- **AUTO SYNC button**: For automatically adjusting images when connected to a computer.
- **COMPUTER 1/2, DVI, HDMI, VIDEO, S-VIDEO buttons**: For switching to the respective input modes.
- **LIGHT button**: For lighting all buttons on the remote control.
- **ADJ/MOUSE switch**: For switching the remote control modes.
- **H&V LENS SHIFT button**: For shifting the lens horizontally and vertically.
- **MENU button**: For displaying adjustment and setting screens.
- **R-CLICK/UNDO button**: For right-clicking while the ADJ./MOUSE switch is in the MOUSE position.
- **SHUTTER buttons**: OPEN: For opening the shutter. CLOSE: For closing the shutter and hiding the projected image.
- **Volume buttons**: For adjusting the speaker sound level.
- **MUTE button**: For temporarily turning off the sound.
- **FREEZE button**: For freezing images.
- **RESIZE button**: For switching the screen size.
- **PICTURE MODE button**: For switching the picture mode.
- **WIRED R/C JACK**: For connecting the remote control to the projector when the signals from the remote control cannot reach the remote control sensor.

**Note**
- The LIGHT button on the remote control is made of luminous material that is visible in the dark. Visibility will diminish over time. Exposure to light will recharge the luminous buttons.
Using the Remote Control

Usable Range

The remote control can be used to control the projector within the ranges shown in the illustration.

Note

- The signal from the remote control can be reflected off a screen for easy operation. However, the effective distance of the signal may differ depending on the screen material.

When using the remote control:
- Ensure that you do not drop it or expose it to moisture or high temperature.
- The remote control may malfunction under a fluorescent lamp. In this case, move the projector away from the fluorescent lamp.

Inserting the Batteries

1 Press the tab and lift open the battery cover in the direction of the arrow.

2 Insert the batteries.
   - Insert the batteries making sure the polarities correctly match the + and - marks inside the battery compartment.

3 Insert the tabs on the end of the battery cover into their slots and press the cover into position.

Incorrect use of the batteries may cause them to leak or explode. Please follow the precautions below.

⚠️ Caution

- Danger of explosion if battery is incorrectly replaced. Replace only with the alkaline or manganese batteries.
- Insert the batteries making sure the polarities correctly match the + and - marks inside the battery compartment.
- Batteries of different types have different properties, therefore do not mix batteries of different types.
- Do not mix new and old batteries. This may shorten the life of new batteries or may cause old batteries to leak.
- Remove the batteries from the remote control once they have run out, as leaving them in can cause them to leak. Battery fluid from leaked batteries is harmful to skin, therefore ensure you wipe them first and then remove them using a cloth.
- The batteries included with this projector may run down in a short period, depending on how they are kept. Be sure to replace them as soon as possible with new batteries.
- Remove the batteries from the remote control if you will not be using the remote control for a long time.
- Comply with the rules (ordinance) of each local government when disposing of worn-out batteries.
Using the Remote Control with a Signal Cable

When the signals from the remote control cannot be reached due to the positioning of the projector, use a ø3.5 mm minijack cable to connect the remote control to the projector. Now you can control the projector with the remote control.

Note

• The wireless remote function is not possible when the ø3.5 mm minijack cable is connected to the projector. Should the wireless remote operation be required, the ø3.5 mm minijack cable should be disconnected from the projector.

Switching the Remote Control Mode

The remote control has two functions. One is projector control and the other is wireless computer mouse. Slide the ADJ./MOUSE switch on the remote control to other side compatible to the desired usage.

Info

• When using the remote control as the wireless computer mouse, connect the supplied remote receiver to the computer. (See page 18.)
Using the Remote Control as a Wireless Computer Mouse

When connecting the supplied remote receiver to the computer, you can use the remote control as the wireless computer mouse.

1. Connect the supplied remote receiver to the USB terminal on the computer.

2. Slide the ADJ./MOUSE switch on the remote control to the MOUSE position.

3. Use the mouse function.
   - Point the remote control at the remote receiver.

   ■ When moving the cursor
     Press ▲/▼/◄/►.

   ■ When left-clicking
     Press L-CLICK.

   ■ When right-clicking
     Press R-CLICK.

   ■ When your computer supports only a one-click mouse (such as Macintosh®)
     Press L-CLICK or R-CLICK. (L-CLICK and R-CLICK have common function.)

Note
- This function only works with the Microsoft® Windows® OS and Mac OS®. However, this function does not work with the following operation systems that do not support USB.
  - Versions earlier than Windows® 95.
  - Versions earlier than Windows® NT4.0.
  - Versions earlier than Mac OS® 8.5.
- Confirm that the computer recognizes the USB connection.
- While the remote control is connected to the projector with a signal cable, you cannot use the wireless computer mouse function.
This section shows the basic operation (projector connecting with the computer). For details, see the page described below for each step.

**Setup and Projection**
In this section, connection of the projector and the computer is explained using one example.

1. **Place the projector facing a screen**

![Projector facing a screen](image)

[Page 21]

2. **Connect the projector to the computer and plug the power cord into the AC socket of the projector**

When connecting equipment other than the computer, see pages 25 and 26.

![Projector and computer connection](image)

[Pages 24, 28]

3. **Remove the lens cap and turn the projector on**

Press **STANDBY-ON** on the projector or on the remote control.

![Remote control](image)

[Page 28]
4. Adjust the angle

Adjust the projector angle:
• Shift the lens horizontally and vertically.
  ① Press H&V LENS SHIFT on the projector or on the remote control.
  ② Press ▲, ▼, ◄ or ► on the projector or the remote control.
• Adjust the projector angle by rotating the adjustment feet.

5. Adjust the focus and the zoom

① Press FOCUS +/- on the projector or on the remote control to adjust the focus.
② Press ZOOM +/- on the projector or on the remote control to adjust the zoom.

6. Correcting the image distortion due to the projection angle

① Press KEYSTONE on the projector or on the remote control.
② Press ENTER on the projector or on the remote control.
③ Press ▲, ▼, ◄ or ► to move the position for the upper left of the image.
④ Press ENTER to set the position.
⑤ Repeat the same procedure with the positions for the upper right, lower right and lower left of the image.
• When the position of the lower left is set, the correction is made and the display disappears.

7. Select the input mode

Press INPUT on the projector or COMPUTER1 on the remote control to select the “COMPUTER1” mode.

<table>
<thead>
<tr>
<th>On the projector</th>
<th>On the remote control</th>
<th>INPUT list</th>
<th>On-screen display (RGB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>►</td>
<td>▼</td>
<td>INPUT</td>
<td>1 COMPUTER1</td>
</tr>
<tr>
<td>◄</td>
<td>▲</td>
<td>2 COMPUTER2</td>
<td>DVI</td>
</tr>
</tbody>
</table>

• When you press INPUT on the projector, the INPUT list appears.
Press ▲/▼ to switch the INPUT mode and then press ENTER.

• When using the remote control, press COMPUTER1/2, DVI, HDMI, VIDEO or S-VIDEO to switch the input mode.

8. Turn the power off

Press STANDBY-ON on the projector or on the remote control. While the confirmation message is displayed, press STANDBY-ON again.

• You can unplug the power cord even if the projector is operating.
• Even if you unplug the power cord from the AC outlet, the cooling fan continues to run for a while.
Setting Up the Projector

For optimal image quality, position the projector perpendicular to the screen with the projector’s feet flat and level. Doing so will eliminate the need for Keystone correction and provide the best image quality.

**Note**

- The projector lens should be centered in the middle of the screen. If the horizontal line passing through the lens center is not perpendicular to the screen, the image will be distorted, making viewing difficult.
- For an optimal image, position the screen so that it is not in direct sunlight or room light. Light falling directly on the screen washes out the colors, making viewing difficult. Close the curtains and dim the lights when setting up the projector in a sunny or bright room.

**Standard Setup (Front Projection)**

- Place the projector at the required distance from the screen according to the desired picture size. (For details, refer to “SETUP MANUAL” contained on the supplied CD-ROM.)

**Indication of the Projection Image Size and Projection Distance**

For details, refer to “SETUP MANUAL” contained on the supplied CD-ROM.

Example: NORMAL Mode (16:10) for the standard zoom lens (AH-55501)
Standard Zoom Lens (AH-55501 : Standard Equipment with EIP-WX5000)  
F2.5, f=25.5-32 mm  

16:10 Signal Input (Normal Mode)  

<table>
<thead>
<tr>
<th>Picture (Screen) size</th>
<th>Projection distance [L]</th>
<th>Distance from the lens center to the bottom of the image [H]</th>
<th>Distance from the lens center to the center of the image [W]</th>
</tr>
</thead>
<tbody>
<tr>
<td>280° (711 cm)</td>
<td>603 cm (237″)</td>
<td>377 cm (146″)</td>
<td>11.0 m (36 0′)</td>
</tr>
<tr>
<td>250° (635 cm)</td>
<td>558 cm (212″)</td>
<td>337 cm (132″)</td>
<td>9.8 m (32 2′)</td>
</tr>
<tr>
<td>200° (508 cm)</td>
<td>431 cm (170″)</td>
<td>269 cm (106″)</td>
<td>7.8 m (25 9′)</td>
</tr>
<tr>
<td>150° (381 cm)</td>
<td>323 cm (127″)</td>
<td>202 cm (79″)</td>
<td>5.9 m (19 3′)</td>
</tr>
<tr>
<td>120° (305 cm)</td>
<td>258 cm (102″)</td>
<td>162 cm (64″)</td>
<td>4.7 m (15 5′)</td>
</tr>
<tr>
<td>100° (254 cm)</td>
<td>215 cm (85″)</td>
<td>135 cm (53″)</td>
<td>3.9 m (12 10′)</td>
</tr>
<tr>
<td>80° (203 cm)</td>
<td>172 cm (68″)</td>
<td>108 cm (42″)</td>
<td>3.1 m (10 3′)</td>
</tr>
<tr>
<td>60° (152 cm)</td>
<td>129 cm (51″)</td>
<td>81 cm (32″)</td>
<td>2.4 m (7′ 9″)</td>
</tr>
</tbody>
</table>

χ:
- Picture size (diag.) (in/cm)
- Minimum projection distance (m/ft)
- Maximum projection distance (m/ft)
- Lower distance from the lens center to the bottom of the image (cm/in)
- Upper distance from the lens center to the bottom of the image (cm/in)
- Distance from the lens center to the center of the image (cm/in)

χ:
- Picture size (diag.) (in/cm)
- Minimum projection distance (m/ft)
- Maximum projection distance (m/ft)
- Lower distance from the lens center to the bottom of the image (cm/in)
- Upper distance from the lens center to the bottom of the image (cm/in)
- Distance from the lens center to the center of the image (cm/in)

Note:
- Allow a margin of error in the value in the diagrams above.
- When the distance from the lens center to the bottom of the image [H] is a negative number, this indicates that the bottom of the image is below the lens center.
- See page 21 about projection distance [L] and distance from the lens center to the bottom of the image [H].
**Projecting a Reversed Image**

**Projection from behind the Screen**
- Place a translucent screen between the projector and the audience.
- Reverse the image by selecting “Rear” in the “PRJ Mode” menu. (See page 62.)

**Projection Using a Mirror**
- Place a mirror (normal flat type) in front of the lens.
- When the translucent screen is placed between the mirror and audience, select “Front” in the “PRJ Mode” menu. (See page 62.)
- When the mirror is placed on the audience side, select “Rear” in the “PRJ Mode” menu. (See page 62.)

---

**Info**
- When using a mirror, ensure that both the projector and the mirror are carefully placed so the projected light does not shine into the eyes of the audience.

---

**Ceiling-mount Setup**
- It is recommended that you use the optional EIKI ceiling-mount adaptor and unit for this installation.
- Before mounting the projector, contact your nearest EIKI Authorized Dealer or Service Center to obtain the recommended ceiling-mount adaptor and unit (sold separately).
- Invert the image by selecting “Ceiling + Front” in “PRJ Mode”. See page 62 for use of this function.
Connecting the Projector to Other Equipment

Before connecting, ensure that the power cord of the projector is unplugged from the AC outlet and turn off the equipment to be connected. After making all connections, turn on the projector and then the other pieces of equipment. When connecting a computer, ensure that it is the last equipment to be turned on after all the connections are made.

**IMPORTANT:** Ensure that the appropriate input mode has been selected on the projector before you turn on the connected equipment.

- For more details of connection and cables, refer to the owner’s manual of the connected equipment.
- You may need other cables or connectors not listed below.

## Terminals on the Projector

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Terminal on connected equipment</th>
<th>Cable</th>
<th>Terminal on the projector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer</td>
<td>RGB output terminal</td>
<td>RGB cable (supplied)</td>
<td>COMPUTER/COMPONENT1</td>
</tr>
<tr>
<td></td>
<td>Computer audio output terminal</td>
<td>Computer audio cable (ø3.5 mm stereo minijack, commercially available)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RGB output terminal</td>
<td>Mini D-sub 15 pin/5 BNC cable (commercially available)</td>
<td>COMPUTER/COMPONENT2</td>
</tr>
<tr>
<td></td>
<td>Computer audio output terminal</td>
<td>Computer audio cable (ø3.5 mm stereo minijack, commercially available)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DVI digital output terminal</td>
<td>DVI Digital cable (commercially available)</td>
<td>DVI-D</td>
</tr>
<tr>
<td></td>
<td>Computer audio output terminal</td>
<td>Computer audio cable (ø3.5 mm stereo minijack, commercially available)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HDMI digital output terminal</td>
<td>HDMI cable (commercially available)</td>
<td>HDMI</td>
</tr>
</tbody>
</table>

**Note**

- When connecting the projector to a compatible computer other than a PC (VGA/SVGA/XGA/SXGA/UXGA) or Macintosh (i.e. Workstation), a separate cable may be needed. Please contact your dealer for more information.
- When connecting to the DVI-D or HDMI terminal, select “D. PC RGB” for “Signal Type” in the “Picture” menu.
- See page 75 “Computer Compatibility Chart” for a list of computer signals compatible with the projector. Use with computer signals other than those listed may cause some of the functions to not work.
- A Macintosh adaptor may be required for use with some Macintosh computers. Contact your nearest Macintosh Dealer.
- **Depending on the computer you are using, an image may not be projected unless the computer’s external output port is switched on.** Refer to the specific instructions in your computer’s owner’s manual to enable your computer’s external output port.
• Select the input signal type of the video equipment when connecting to the COMPUTER1/2, DVI-D or HDMI terminal. See page 51.
• The HD/C sync and VD terminals may be used depending on the specifications of the DTV decoder connected to this projector. Please refer to the owner’s manual of the DTV decoder for details.
• The HD/C sync terminal of the 5 BNC terminal is only for TTL signal.
• Select “480P” or “576P” for “Resolution” on the “Fine Sync” menu, if necessary. (See page 53.)
• While the projector is connected to video equipment that has an HDMI output terminal, only the video signal can be input to the projector. (Connect the AUDIO input terminal for audio input.)
• Depending on specifications of video equipment or HDMI to DVI digital cable, the signal transmission may not work property. (The HDMI specification does not support all connections to video equipment that has HDMI digital output terminal using HDMI to DVI digital cable.)
• For details on compatibility for connection, see support information on DVI connection provided by the video equipment manufacturer.
• When you connect video equipment with a 21-pin RGB output (Euro-scart) to the projector, use a commercially available cable that fits in the projector terminal you want to connect.
• The projector does not support RGBC signals via the Euro-scart.
## Connecting the Projector to Other Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Terminal on connected equipment</th>
<th>Cable</th>
<th>Terminal on the projector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video equipment, Camera, Video game</td>
<td>S-video output terminal</td>
<td>S-video cable (commercially available)</td>
<td>S-VIDEO</td>
</tr>
<tr>
<td></td>
<td>Audio output terminal</td>
<td>RCA audio cable (commercially available)</td>
<td></td>
</tr>
<tr>
<td>Video output terminal</td>
<td></td>
<td>Video cable (commercially available)</td>
<td>VIDEO</td>
</tr>
<tr>
<td>Audio output terminal</td>
<td></td>
<td>RCA audio cable (commercially available)</td>
<td></td>
</tr>
<tr>
<td>Monitor</td>
<td>RGB input terminal</td>
<td>RGB cable (supplied or commercially available)</td>
<td>MONITOR OUT</td>
</tr>
<tr>
<td>Amplifier</td>
<td>Audio input terminal</td>
<td>ø3.5 mm stereo minijack to RCA audio cable (commercially available)</td>
<td>MONITOR OUT</td>
</tr>
</tbody>
</table>

### Note
- When using the ø3.5 mm mono audio cable, the volume level will be half of when using the ø3.5 mm stereo audio cable.
- Video signal for monitor output is analog RGB signal as well as component signal (COMPUTER1/2). DVI and HDMI input video signals would not be output.
- When the audio from HDMI input is directed to the MONITOR OUT (AUDIO) terminal, output will be generated as Linear PCM audio.
- HDMI (High-Definition Multimedia Interface) is a digital AV interface that can deliver a high-definition video signal, multi-channel audio signal, and bi-directional control signal all in just one cable.
- Because it is compatible with the HDCP (High-bandwidth Digital Content Protection) system, the digital video signal does not degrade when transmitted, and a high-quality image with a simple connection can be enjoyed.
- The HDMI terminal does not support the CEC signal.

---

This projector is able to process the following signals when connected to HDMI equipment:
- **Video signal:** For details, see “HDMI Support” in the list of “Computer Compatibility Chart” on page 75.
- **Audio signal:** Linear PCM audio
- **Sampling frequency:** 48kHz/44.1kHz/32kHz
Controlling the Projector by a Computer

When the RS-232C terminal on the projector is connected to the RS-232C serial terminal on the computer, or when the LAN terminal on the projector is connected to the LAN terminal on the computer, the computer can be used to control the projector. Refer to the “SETUP MANUAL” contained on the supplied CD-ROM for details.

When connecting to a computer using an RS-232C serial control cable

**Note**
- The RS-232C function may not operate if your computer terminal is not correctly set up. Refer to the owner's manual of the computer for details.
- Refer to “SETUP MANUAL” contained on the supplied CD-ROM for the RS-232C specifications and commands.

**Info**
- Do not connect the RS-232C cable to a terminal other than the RS-232C terminal on the computer. This may damage your computer or projector.
- Do not connect or disconnect an RS-232C serial control cable to or from the computer while it is on. This may damage your computer.

When connecting to the LAN terminal using a LAN cable

**Note**
- When connecting to a hub, use **straight-through** Category 5 (CAT.5) type cable (commercially available).
- When connecting to a computer, use **cross-over** Category 5 (CAT.5) type cable (commercially available).
Turning the Projector On/Off

Connecting the Power Cord

Plug the supplied power cord into the AC socket on the rear of the projector. Then plug into the AC outlet.

Turning the Projector On

Before performing the steps in this section, connect any equipment that you use with the projector. (See pages 24–27.)

Remove the lens cap and press STANDBY-ON on the projector or on the remote control.
- The power indicator illuminates red.
- After the lamp indicator illuminates, the projector is ready to start operation.
- When System Lock is set, the keycode input screen appears. Enter the right keycode to start projection. See page 60 for details.

Note
- The lamp indicator illuminates or blinks, indicating the status of the lamp.
  - Green: The lamp is on.
  - Blinking green: The lamp is warming up.
  - Red: The lamp is shut down abnormally or the lamp should be replaced.
- When switching on the projector, a slight flickering of the image may be experienced within the first minute after the lamp has been illuminated. This is normal operation as the lamp's control circuitry is stabilizing the lamp output characteristics. This does not indicate malfunction.
- If the projector is put into standby mode and immediately turned on again, the lamp may take some time to illuminate.

Turning the Power Off (Putting the Projector into Standby Mode)

Press STANDBY-ON on the projector or on the remote control, then press that button again while the confirmation message is displayed, to put the projector into standby mode.

Info
- When “Auto Restart” is set to “On”:
  If the power cord is unplugged from the AC outlet or the breaker switch is turned off when the projector is on, then the projector automatically turns on when the power cord is plugged into the AC outlet or the breaker switch is turned on. (See page 63.)
- English is the factory preset language. If you want to change the on-screen display to another language, change the language according to the procedure on page 65.

Note
- You can unplug the power cord from the AC outlet even if the cooling fan is still running. Even if you unplug the power cord from the projector, the cooling fan continues to run for a while.
Shifting the Lens

In addition to the zoom function and adjustment of projection angle using the adjustment feet, you can adjust the position of the projection using the lens shift function. This is a useful function in cases such as when the screen cannot be moved.

Adjustable range

- The adjustable range is shown below.
  - Horizontal range: ±35%
  - Vertical range: ±66%
- The adjustable range has limitations even within the range shown above.
- Select the correct type of lens that match with the installed lens (see page 62).
- The image can be adjusted as shown on the diagram.
- Allow a margin of error in the value.

AH-55401, AH-55501, AH-55601, AH-55701, AH-55801

AH-55201, AH-55301

Position of the image when the image is centered, both vertically and horizontally, in lens shift

H : Height of the image
W : Width of the image
Using the Adjustment Feet

1. Rotate the adjustment feet to adjust the projected angle.
   - The projector is adjustable up to approximately 5 degrees.

Warning!
- Do not hold the lens and lens cover when projector angle is adjusted.
- Use caution not to pinch your finger in the space between the adjustment foot and the projector when the projector angle is lowered.

Using the Adjustment Feet

• When the position of the projected image cannot be adjusted with the lens shift function, use the adjustment feet to adjust the projected angle.
• The height of the projector can be adjusted using the adjustment feet when the screen is located higher than the projector, the screen is inclined or when the installation site is slightly inclined.
• Install the projector so that it is as perpendicular to the screen as possible.

Press H&V LENS SHIFT on the projector or on the remote control.
- Pressing ENTER on the projector or on the remote control displays the test pattern. Checking the test pattern is useful for more accurate adjustment.

1 Press H&V LENS SHIFT on the projector or on the remote control.
- Pressing ENTER on the projector or on the remote control displays the test pattern. Checking the test pattern is useful for more accurate adjustment.

2 Press , , or on the projector or the remote control to adjust the image position.

Note
- When UNDO is pressed, the lens shift reset screen is displayed. Lens shift can be reset to factory default with this screen.
Adjusting the Focus

Press **FOCUS +/-** on the projector or on the remote control to adjust the focus.

**Note**
- After you have pressed **FOCUS** or **ZOOM** on the remote control or the projector, you can display the test pattern by pressing **ENTER**. The test pattern is useful for making more accurate adjustments.
- For fine adjustments, when **H&V LENS SHIFT, FOCUS** or **ZOOM** is pressed, the projected image moves a small amount in the desired direction for approximately one second. Hold down the buttons to move the projected image quickly.

**Adjusting the Projected Image Size**

Press **ZOOM +/-** on the projector or on the remote control to adjust the projected image size.

**Info**
- It is recommended that the focus be adjusted after the projector has warmed up for at least 30 minutes.
Correcting Trapezoidal Distortion

When the image is projected either from the top or from the bottom towards the screen at an angle, the image becomes distorted trapezoidally. The function for correcting trapezoidal distortion is called Keystone Correction.

There are the two types of the Keystone Correction.
1) “GEOMETRIC ADJUSTMENT” for correcting an image designating the corner of the projected image
2) “H&V KEYSTONE” for designating the correction of the horizontal and vertical axes

Selecting the Type of the Correction

Select the type of the keystone correction.
Press KEYSTONE on the projector or on the remote control.
• “GEOMETRIC ADJUSTMENT” will be displayed.
• Each time KEYSTONE is pressed, the display toggles as follows:

GEOMETRIC ADJUSTMENT → H&V KEYSTONE
The display disappears.

GEOMETRIC ADJUSTMENT For correcting an image designating the corner of the projected image
H&V KEYSTONE For correcting an image designating the horizontal or vertical axes
IMAGE RESIZING For correcting the image distortion which cannot be corrected with “H&V KEYSTONE”.
*Only when “H&V KEYSTONE” is set to the values other than “0”, “IMAGE RESIZING” can be adjusted.
(This function cannot be used when correcting with “GEOMETRIC ADJUSTMENT”.)
GEOMETRIC ADJUSTMENT

1 Press KEYSTONE on the projector or on the remote control repeatedly until “GEOMETRIC ADJUSTMENT” is displayed.

2 Press the buttons below to adjust the position, size or focus of the projected image.
   • Match screen’s four sides to green test pattern.
   • Pressing \[\Delta, \nabla, \downarrow\text{ or } \uparrow\] or H\&V LENS SHIFT on the remote control allows you to shift the lens.
   • Pressing ZOOM +/- on the projector or on the remote control allows you to adjust the projected image size.
   • Pressing FOCUS +/- on the projector or on the remote control allows you to adjust the focus.

3 Press ENTER on the projector or on the remote control.

4 Press \[\Delta, \nabla, \downarrow\text{ or } \uparrow\] to move the position for the upper left of the image.
   • Move the upper left of the yellow frame onto the upper left of the screen.

5 Press ENTER to set the position.

6 Repeat the same procedure with the positions for the upper right, lower right and lower left of the image.
   • At this time, pressing UNDO on the projector or on the remote control returns to the previous screen.
   • Before correcting the upper left of the image, pressing UNDO returns to the reset confirmation screen.
   • When the position of the lower left is set, the correction is made and the display disappears.
   • If the message “Can not correct.” is displayed, step 2 may have been performed incorrectly. In this case, go back to step 2 and try the procedure again.
H&V KEYSTONE

1. Press KEYSTONE on the projector or on the remote control repeatedly until “H&V KEYSTONE” is displayed.
   • When the correction has already been made with “GEOMETRIC ADJUSTMENT”, the confirmation message for resetting the correction before “H&V KEYSTONE” is displayed, and then reset.

2. Press ▲ or ▼ to parallelize the left and right sides of the projected image.

3. Press ◀ or ▶ to parallelize the upper and lower sides of the projected image.

4. Press KEYSTONE to display “IMAGE RESIZING”.
   • Only when “H&V KEYSTONE” is set to the values other than “0”, “IMAGE RESIZING” works.
5 Press ▲, ▼, ◀ or ◁ to correct the image distortion.

6 Press KEYSTONE to set the position.
Switching the Input Mode

Select the appropriate input mode for the connected equipment.

Press COMPUTER1/2, DVI, HDMI, VIDEO or S-VIDEO on the remote control to select the input mode.

- When you select the input mode with INPUT ▲/▼ on the projector or ▲/▼ on the remote control:
  - When ▲/▼ is pressed, the Input list appears. While the Input list is displayed, follow the procedure below to switch the input mode.
    - Press ▲/▼ to select the desired input mode and then press ENTER.
      - When “AUTO SEARCH” is selected, input signal is automatically detected.
      - If ENTER is not pressed, the projector switches to the selected input mode in a few seconds.

Note

- When no signal is received, “NO SIGNAL” will be displayed. When non-supported signal is received, “NOT REG.” is displayed.
- The input mode is not displayed when “OSD Display” of the “Options1” menu is set to “Level A” or “Level B”. (See page 57.)

Adjusting the Volume

Press VOL +/- on the projector or on the remote control to adjust the volume.

Note

- Pressing VOL– will lower the volume. Pressing VOL+ will raise the volume.
- When “Pict in Pict” (see page 56) is set to “On”, audio volume cannot be adjusted on the projector. The audio volume buttons will instead function as location shift button for the smaller screen.
Turning Off the Sound Temporarily

Press MUTE on the remote control to temporarily turn off the sound.

Note
• Pressing MUTE again will turn the sound back on.

Displaying an Enlarged Portion of an Image

Graphs, tables and other portions of projected images can be enlarged. This is helpful when providing more detailed explanations.

1 Press MAGNIFY on the remote control.
   • Enlarges the image.
   • Pressing or enlarges or reduces the projected image.

Note
• You can change the location of the enlarged image using , , , and .

2 Press UNDO on the remote control to cancel the operation.
   • The magnification then returns to ×1.

Note
In the following cases, the image will return to the normal size (×1).
- When switching the input mode.
- When UNDO has been pressed.
- When the input signal is changed.
- When the input signal resolution and refresh rate (vertical frequency) change.
- When RESIZE has been pressed.
Freezing a Moving Image

1 Press FREEZE on the remote control.
   • The projected image is frozen.

2 Press FREEZE again to return to the moving image from the currently connected equipment.

Selecting the Picture Mode

You can select the suitable picture mode for the projected image, such as movie or video game.

Press PICTURE MODE on the remote control.
• When pressing PICTURE MODE, the picture mode changes in order of

   STANDARD → PRESENTATION → MOVIE → CUSTOM

Note
• Press UNDO to return to the “STANDARD” mode while the selected picture mode is displayed.
• This function can also be accessed from the OSD menu (see page 49).
This function allows you to modify or customize the resize mode to enhance the input image. Depending on the input signal, you can choose a desired image.

## Resize Mode

**Press RESIZE on the remote control.**
- Pressing RESIZE changes the display as shown in the tables below.
- To return to the standard image, press UNDO while “RESIZE” is displayed on the screen.
- This function can also be accessed from the OSD menu (see page 56).

### COMPUTER

#### Main resolution

<table>
<thead>
<tr>
<th>4:3 aspect ratio</th>
<th>NORMAL</th>
<th>FULL</th>
<th>DOT BY DOT</th>
<th>STRETCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVGA (800 × 600)</td>
<td>1068 × 800</td>
<td></td>
<td>800 × 600</td>
<td>1280 × 720</td>
</tr>
<tr>
<td>XGA (1024 × 768)</td>
<td></td>
<td></td>
<td>1024 × 768</td>
<td></td>
</tr>
<tr>
<td>SXGA (1152 × 864)</td>
<td></td>
<td>1280 × 800</td>
<td>1152 × 864</td>
<td></td>
</tr>
<tr>
<td>SXGA+ (1400 × 1050)</td>
<td></td>
<td></td>
<td>1400 × 1050</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other aspect ratios</th>
<th></th>
<th></th>
<th>1280 × 1024</th>
<th>—</th>
</tr>
</thead>
<tbody>
<tr>
<td>1280 × 720</td>
<td>1280 × 720</td>
<td>1360 × 768</td>
<td>1366 × 768</td>
<td>—</td>
</tr>
<tr>
<td>1280 × 768</td>
<td>1280 × 768</td>
<td>1280 × 768</td>
<td>1280 × 768</td>
<td>—</td>
</tr>
<tr>
<td>1280 × 800</td>
<td>1280 × 800</td>
<td>—</td>
<td>1280 × 720</td>
<td>—</td>
</tr>
</tbody>
</table>

#### Input screen image

<table>
<thead>
<tr>
<th>Computer signal</th>
<th>Image Type</th>
<th>NORMAL</th>
<th>FULL</th>
<th>DOT BY DOT</th>
<th>STRETCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution XGA and below</td>
<td>4:3 aspect ratio</td>
<td></td>
<td></td>
<td>1280 × 720</td>
<td>—</td>
</tr>
<tr>
<td>Resolution higher than XGA</td>
<td></td>
<td></td>
<td></td>
<td>1280 × 720</td>
<td>—</td>
</tr>
<tr>
<td>SXGA (1280 × 1024)</td>
<td>5:4 aspect ratio</td>
<td></td>
<td></td>
<td>1360 × 768</td>
<td>—</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1280 × 720</th>
<th>1360 × 768</th>
<th>1366 × 768</th>
<th>1280 × 768</th>
<th>1280 × 800</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:9 aspect ratio</td>
<td>15:9 aspect ratio</td>
<td>16:10 aspect ratio</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

- : Cutout area on which images cannot be projected
- : Area where the signals are off screen

*1 The Image Shift function can be used for these images.
*2 Same as NORMAL mode.
*3 In case SXGA+ input.
## Image Projection

### VIDEO/DTV

<table>
<thead>
<tr>
<th>Input signal</th>
<th>Image Type</th>
<th>Output screen image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video/DTV</td>
<td>NORMAL</td>
<td>AREA ZOOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>V-STRETCH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STRETCH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SMART STRETCH</td>
</tr>
<tr>
<td></td>
<td>Squeeze</td>
<td>![Image]</td>
</tr>
<tr>
<td></td>
<td>Letter box</td>
<td>![Image]</td>
</tr>
</tbody>
</table>

- Cutout area on which images cannot be projected
- Area on which the image is not included in the original signals
- *1 The Image Shift function can be used for these images.
- *2 Same as NORMAL mode.
- *3 No support mode.

### About Copyrights

- When using the RESIZE function to select an image size with a different aspect ratio to a TV program or video image, the image will look different from its original appearance. Keep this in mind while choosing an image size.
- The use of the Resize or Keystone Correction function to compress or stretch the image for commercial purposes/public displays in a café, hotel, etc. may be an infringement of copyright protected by law for copyright holders. Please use caution.
Hiding the Projected Image (Shutter function)

This function allows you to temporarily hide the projected image.

1. Press **SHUTTER CLOSE**.
   - The projected image is hidden.

2. Pressing **SHUTTER OPEN** will turn the projected image back on.

Note

In the following cases, hiding will be cancelled automatically.
- When **STANDBY-ON** on the projector or on the remote control is pressed.
- When a caution or information message is displayed.
- When the power is turned on.

Displaying and Setting the Break Timer

This function allows you to show the remaining time for break during meeting.

1. Press **BREAK TIMER**.

2. While “” is displayed, press ▲, ▼, ◄ or ► to set the break timer.
   - You can set anywhere between 1 and 60 minutes (in 1 units).
   - The break timer starts to count down as soon as ▲, ▼, ◄ or ► is pressed.

Note

- Pressing **UNDO** will cancel the break timer.
- Auto Power Off function will be temporarily disabled during the break timer.
- When no input signal is detected for more than 15 minutes, the projector will automatically enter the standby mode if the break timer has elapsed.
- The break timer will be displayed on the startup image. To change the screen displayed during the break timer, change the setting of “Startup Image” (see page 58).
- When “Slave” is set for “Stack Setting”, the break timer is not displayed. (See page 62.)
The following shows the items that can be set in the projector.

**“Picture” menu**

### COMPUTER1/2, DVI, HDMI

<table>
<thead>
<tr>
<th>Main Menu</th>
<th>Sub Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Picture</strong></td>
<td><strong>Page 49</strong></td>
</tr>
<tr>
<td><strong>Picture Mode</strong></td>
<td><strong>Page 49</strong></td>
</tr>
<tr>
<td><strong>Contrast</strong></td>
<td>-30 ↔ +30</td>
</tr>
<tr>
<td><strong>Bright</strong></td>
<td>-30 ↔ +30</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>-30 ↔ +30</td>
</tr>
<tr>
<td><strong>Tint</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>Red</strong></td>
<td>-30 ↔ +30</td>
</tr>
<tr>
<td><strong>Green</strong></td>
<td>-30 ↔ +30</td>
</tr>
<tr>
<td><strong>Blue</strong></td>
<td>-30 ↔ +30</td>
</tr>
<tr>
<td><strong>Sharp</strong></td>
<td>-30 ↔ +30</td>
</tr>
<tr>
<td><strong>CLR Temp</strong></td>
<td><strong>Page 50</strong></td>
</tr>
<tr>
<td><strong>Progressive</strong></td>
<td><strong>Page 50</strong></td>
</tr>
<tr>
<td><strong>C.M.S. Adjustment</strong></td>
<td><strong>Page 52</strong></td>
</tr>
<tr>
<td><strong>DNR</strong></td>
<td><strong>Page 50</strong></td>
</tr>
<tr>
<td><strong>Reset</strong></td>
<td><strong>Page 49</strong></td>
</tr>
<tr>
<td><strong>Signal Type</strong></td>
<td><strong>Page 51</strong></td>
</tr>
<tr>
<td><strong>Dynamic Range</strong></td>
<td><strong>Page 51</strong></td>
</tr>
<tr>
<td><strong>Color Space</strong></td>
<td><strong>Page 51</strong></td>
</tr>
</tbody>
</table>

| **4500K** | 1 |
| **10500K** | |
| **2D Progressive** | 3D Progressive |
| **Film Mode** | |
| **Standard** | **Custom 1** |
| **Custom 2** | **Custom 3** |
| **sRGB** | |
| **Off** | **Level 1** |
| **Level 2** | **Level 3** |
| **Auto** | **D. PC RGB** |
| **RGB Component** | **D. PC Comp.** |
| **Dynamic Range** | **Auto** |
| **Standard Enhanced** | **D. Video RGB** |
| **Color Space** | **Auto** |
| **ITU601** | **D. Video Comp.** |
| **ITU709** | |

**Notes:**

1. “Color”, “Tint”, “Red”, “Green”, “Blue” and “CLR Temp” cannot be adjusted when “C. M. S. Adjustment” is set to “sRGB”.
2. “Sharp” can be adjusted only when 480I, 480P, 540P, 576I, 576P, 720P, 1035I, 1080I or 1080P signal is input.
3. “Progressive” can be adjusted only when 480I or 576I signal is input.
4. “sRGB” can be selected under the conditions below.
   - When “Signal Type” is set to “RGB”, “D. PC. RGB” or “D. Video RGB”.
   - When “Signal Type” is set to “Auto” or “D. Video Auto” and the input signal is distinguished as “RGB”.
5. “DNR” can be adjusted only when 480I, 480P, 576I or 576P signal is input.
6. “Dynamic Range” and “Color Space” can be worked only when DVI or HDMI signal is input.
“Picture” menu

VIDEO/S-VIDEO

Main Menu

Picture

Sub Menu

Picture Mode

Contrast -30 ↔ +30
Bright -30 ↔ +30
Color -30 ↔ +30
Tint -30 ↔ +30
Red -30 ↔ +30
Green -30 ↔ +30
Blue -30 ↔ +30
Sharp -30 ↔ +30

CLR Temp

Page 50

4500K
10500K

Progressive

Page 50

2D Progressive
3D Progressive
Film Mode

C.M.S. Adjustment

Page 52

Standard
Custom 1
Custom 2
Custom 3

DNR

Page 50

Off
Level 1
Level 2
Level 3

Reset

Page 49
The “Fine Sync” menu is displayed only while the input mode is COMPUTER1/2, DVI or HDMI.

“Clock”, “Phase”, “H-Pos”, “V-Pos”, “Reset”, “Save Setting”, “Select Setting” and “Resolution” can be adjusted only while the input mode is COMPUTER1 or 2.
*8 Item when inputting RGB signal through COMPUTER1/2, DVI or HDMI.
*9 Selectable items in “Resize” mode may differ depending on the signal.
*10 Item when selecting VIDEO or S-VIDEO.
Menu Items

“Options 2” menu

Main Menu | Sub Menu
--- | ---
Options 2 | Password
 | Old Password
 | New Password
 | Reconfirm
Lamp Mode | Lamp 1 Only
 | Lamp 2 Only
 | Equal Use
Lens Type | Type 1
 | Type 2
 | Type 3
 | Type 4
 | Type 5
 | Type 6
 | Type 7
PRJ Mode | Front
 | Ceiling + Front
 | Rear
 | Ceiling + Rear
Stack Setting | Normal
 | Master
 | Slave
Fair Stack | Page 62
Keyplock Level | Normal
 | Level A
 | Level B
Set Inputs | COMPUTER1 [ON/OFF]
 | COMPUTER2 [ON/OFF]
 | DVI [ON/OFF]
 | HDMI [ON/OFF]
 | VIDEO [ON/OFF]
 | S-VIDEO [ON/OFF]
Fan Mode | Normal
 | High
Auto Restart | On
 | Off
RS-232C | Page 64
 | 9600 bps
 | 38400 bps
 | 115200 bps
Monitor Out | Enable
 | Disable
LAN/RJ45 | Page 64
 | Enable
 | Disable
Network | Network DHCP Client [ON/OFF]
 | DHCP Client [ON/OFF]
 | TCP/IP
 | IP Address
 | Subnet Mask
 | Gateway
Service Mode | Page 65
 | All Reset
 | Page 65

“Language” menu

Main Menu | Sub Menu
--- | ---
Language | English
 | Deutsch
 | Español
 | Français
 | Italiano
 | Svenska
 | Português
 | Polski
 | Türkçe

“Status” menu

Main Menu
---
Status
Page 65

*11 Adjustable only when “DHCP Client” is set to “OFF”
Using the Menu Screen

Menu Selections

• This operation can also be performed by using the buttons on the projector.

1 Press **MENU**.
   • The “Picture” menu screen for the selected input mode is displayed.

2 Press **◄** or **►** to display the other menu items.
   • Menu items are as shown below.

   **Example: “Picture” screen menu for COMPUTER1 (RGB) mode**

   ![Picture Menu Screen]

   **Menu item**

   - **Picture**
   - **C.R.S.**
   - **Fine Sync**
   - **Audio**
   - **Options 1**
   - **Options 2**
   - **Language**
   - **Status**

   **Note**

   • The “Fine Sync” menu is not available for VIDEO or S-VIDEO.
Using the Menu Screen

There are two methods of adjustment depending on the menu item. Use the applicable method from Example 1 or 2 shown below.

Example 1: Adjusting “Bright”

3 Press ▲ or ▼ to select the item you want to adjust.
   • Pressing ▼ displays the items on the lower part of the “Picture” menu.

To adjust the projected image while viewing it
Press ENTER.
   • The selected single adjustment item (e.g. “Bright”) appears instead of the menu.
   • When pressing ▲ or ▼, the following item (“Color” after “Bright”) will be displayed.

   Note
   • Press UNDO to return to the previous screen.

4 Press ◀ or ▶ to adjust the item selected.
   • The adjustment is stored.

5 Press MENU.
   • The menu screen will disappear.

Example 2: Selecting “Signal Type”

3 Press ▲ or ▼ to select the item you want to set and then press ENTER.

4 Press ▲ or ▼ to select the desired item and then press ENTER.

5 Press MENU.
   • The menu screen will disappear.
Picture Adjustment (“Picture” menu)

1 Selecting the Picture Mode

This function allows you to select the picture mode in accordance with brightness of the room or content of the image to be projected. In all picture modes, items on the “Picture” menu can be adjusted and saved.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>For standard image</td>
</tr>
<tr>
<td>Presentation</td>
<td>Brightens darker portions of image for more enhanced presentations.</td>
</tr>
<tr>
<td>Movie</td>
<td>Gives greater depth to darker portions of image for a more exciting theater experience.</td>
</tr>
<tr>
<td>Custom</td>
<td>The factory preset value is the same as the one of “Standard”.</td>
</tr>
</tbody>
</table>

Note

- You can also press PICTURE MODE on the remote control to select the picture mode. (See page 38.)

2 Adjusting the Image

Select a picture mode before adjusting the image.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Press ▼</th>
<th>Press ▲</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contrast</td>
<td>For less contrast</td>
<td>For more contrast</td>
</tr>
<tr>
<td>Bright</td>
<td>For less brightness</td>
<td>For more brightness</td>
</tr>
<tr>
<td>Color*1</td>
<td>For less color intensity</td>
<td>For more color intensity</td>
</tr>
<tr>
<td>Tint*1</td>
<td>For making skin tones purplish</td>
<td>For making skin tones greenish</td>
</tr>
<tr>
<td>Red*1</td>
<td>For weaker red</td>
<td>For stronger red</td>
</tr>
<tr>
<td>Green*1</td>
<td>For weaker green</td>
<td>For stronger green</td>
</tr>
<tr>
<td>Blue*1</td>
<td>For weaker blue</td>
<td>For stronger blue</td>
</tr>
<tr>
<td>Sharp*2</td>
<td>For less sharpness</td>
<td>For more sharpness</td>
</tr>
</tbody>
</table>

*1 “Color”, “Tint”, “Red”, “Green” and “Blue” cannot be adjusted when “C.M.S. Adjustment” on the “C.M.S.” menu is set to “sRGB”. (See page 52.)

*2 “Sharp” can be adjusted only when 480i, 480P, 540P, 576i, 576P, 720P, 1035i, 1080i or 1080P DTV signal is input during the COMPUTER1/2, DVI, HDMI mode; or the input mode is set to VIDEO or S-VIDEO.

Note

- To reset all adjustment items, select “Reset” and press ENTER.
### Adjusting the Color Temperature

| Selectable items | Description
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4500K</td>
<td>For lower color temperature for warmer, reddish incandescent-like images.</td>
</tr>
<tr>
<td>10500K</td>
<td>For higher color temperature for cooler, bluish, fluorescent-like images.</td>
</tr>
</tbody>
</table>

**Note**
- “CLR Temp” cannot be set when “C.M.S. Adjustment” on the “C.M.S.” menu is set to “sRGB”. (See page 52.)

### Selecting the Progressive Mode

| Selectable items | Description
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2D Progressive</td>
<td>Useful to display fast-moving images such as sports and action films.</td>
</tr>
<tr>
<td>3D Progressive</td>
<td>Useful to display relatively slow-moving images such as drama and documentary more clearly.</td>
</tr>
<tr>
<td>Film Mode</td>
<td>Reproduces the image of film source* clearly. Displays the optimized image of film transformed with three-two pull down (NTSC and PAL60Hz) or two-two pull down (PAL50Hz and SECAM) enhancement to progressive mode images.</td>
</tr>
</tbody>
</table>

* The film source is a digital video recording with the original encoded as is at 24 frames/second. The projector can convert this film source to progressive video at 60 frames/second with NTSC and PAL60Hz or at 50 frames/second with PAL50Hz and SECAM to play back a high-definition image.

**Note**
- In NTSC or PAL60Hz, even if the 3D Progressive mode has been set, the three-two pull down enhancement will be enabled automatically when the film source has been entered.
- When the image is blurred or noisy, switch to the optimal mode.
- When using progressive inputs, inputs are directly displayed so that “2D Progressive”, “3D Progressive” and “Film Mode” cannot be selected.

### Reducing Image Noise (DNR)

Video digital noise reduction (DNR) provides high quality images with minimal dot crawl and cross color noise.

| Selectable items | Description
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>DNR does not function.</td>
</tr>
<tr>
<td>Level 1–3</td>
<td>Sets the DNR level.</td>
</tr>
</tbody>
</table>

**Note**
- Set a level so as to view a clearer picture. **Make sure to set “DNR” to “Off” in the following cases:**
  - When the image is blurry.
  - When the contours and colors of moving images drag.
  - When TV broadcasts with weak signals are projected.

**Info**
- This function is available for all signals with VIDEO or S-VIDEO.
- This function is available for 480I, 480P, 576I and 576P signals with COMPUTER1/2, DVI or HDMI.
6 Selecting the Signal Type

When using an input mode other than S-VIDEO or VIDEO input, set the signal type setting to the corresponding input signal type (RGB or Component).

- When COMPUTER1/2 is selected for the input mode

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td>Automatically selects the appropriate input signal between RGB and Component.</td>
</tr>
<tr>
<td>RGB</td>
<td>Set when RGB signals are received.</td>
</tr>
<tr>
<td>Component</td>
<td>Set when component signals are received.</td>
</tr>
</tbody>
</table>

- When DVI is selected for the input mode

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. PC RGB</td>
<td>Set when digital PC RGB signals are received from the computer.</td>
</tr>
<tr>
<td>D. PC Comp.</td>
<td>Set when digital PC component signals are received from the computer.</td>
</tr>
<tr>
<td>D. Video RGB</td>
<td>Set when digital video RGB signals are received from video equipment.</td>
</tr>
<tr>
<td>D. Video Comp.</td>
<td>Set when digital video component signals are received from video equipment.</td>
</tr>
</tbody>
</table>

- When HDMI is selected for the input mode

This function sets the type of picture signal input from HDMI-compatible equipment.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. Video Auto</td>
<td>Automatically set the RGB or component signal when digital video signals are received from video equipment.</td>
</tr>
<tr>
<td>D. Video RGB</td>
<td>Set when digital video RGB signals are received from video equipment.</td>
</tr>
<tr>
<td>D. Video Comp.</td>
<td>Set when digital video component signals are received from video equipment.</td>
</tr>
<tr>
<td>D. PC RGB</td>
<td>Set when digital PC RGB signals are received from the computer.</td>
</tr>
<tr>
<td>D. PC Comp.</td>
<td>Set when digital PC component signals are received from the computer.</td>
</tr>
</tbody>
</table>

7 Selecting the Dynamic Range

An optimum picture may not be displayed if a DVI-D or HDMI capable device’s output signal type and the projector’s input signal type do not match. If this should occur, switch the “Dynamic Range” mode.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td>In most circumstances, “Auto” should be selected.</td>
</tr>
<tr>
<td>Standard</td>
<td>When the black levels of the image show banding or appear faded, select the item that results in the better picture quality.</td>
</tr>
<tr>
<td>Enhanced</td>
<td></td>
</tr>
</tbody>
</table>

8 Selecting the Color Space

This function selects the color space for signals input from a DVI-D- or HDMI-compatible device.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td>In most circumstances, “Auto” should be selected.</td>
</tr>
<tr>
<td>ITU601</td>
<td>Select the item that results in the better picture quality.</td>
</tr>
<tr>
<td>ITU709</td>
<td></td>
</tr>
</tbody>
</table>
1 Selecting the Color Reproduction Mode

This function allows you to select the color reproduction mode for the projected images.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Standard settings</td>
</tr>
<tr>
<td>Custom 1-3</td>
<td>“Lightness”, “Chroma” and “Hue” can be adjusted for each of the six colors</td>
</tr>
<tr>
<td>sRGB</td>
<td>A natural tint based on an original image from the computer</td>
</tr>
</tbody>
</table>

Note
- sRGB is an international standard of color reproduction regulated by the IEC (International Electrotechnical Commission). As the fixed color area has been decided by the IEC, the images are displayed in a natural tint based on an original image, when “C.M.S. Adjustment” is set to “sRGB”.
- You cannot set “Color”, “Tint”, “Red”, “Green”, “Blue”, “CLR Temp” on the “Picture” menu, when “C.M.S. Adjustment” is set to “sRGB”.
- For additional information about the sRGB function, visit “http://www.srgb.com/”.

Info
- When “C.M.S. Adjustment” is set to “sRGB”, the projected image may become dark, but this does not indicate a malfunction.

2 Selecting the Target Color

This function allows you to select the target color for adjusting the display characteristics.

<table>
<thead>
<tr>
<th></th>
<th>C</th>
<th>C</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td></td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Yellow</td>
<td></td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td></td>
<td></td>
<td>M</td>
</tr>
</tbody>
</table>

3 Setting the Brightness of the Target Color

This function allows you to set the brightness of the selected target color.

<table>
<thead>
<tr>
<th>Press ◀</th>
<th>Press ▶</th>
</tr>
</thead>
<tbody>
<tr>
<td>For less brightness of the target color</td>
<td>For more brightness of the target color</td>
</tr>
</tbody>
</table>

4 Setting the Chromatic Value of the Target Color

This function allows you to set the chromatic value of the selected target color.

<table>
<thead>
<tr>
<th>Press ◀</th>
<th>Press ▶</th>
</tr>
</thead>
<tbody>
<tr>
<td>For less chromatic value of the target color</td>
<td>For more chromatic value of the target color</td>
</tr>
</tbody>
</table>

5 Setting the Hue of the Target Color

This function allows you to set the hue of the selected target color.

<table>
<thead>
<tr>
<th>Press ◀</th>
<th>Press ▶</th>
</tr>
</thead>
<tbody>
<tr>
<td>For stronger red of the target color</td>
<td>For stronger yellow of the target color</td>
</tr>
</tbody>
</table>

6 Resetting User-defined Color Settings

This function allows you to reset the specific target color or all of the six colors.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reset (This Color)</td>
<td>“Lightness”, “Chroma” and “Hue” of the color selected for “Target” are reset.</td>
</tr>
<tr>
<td>Reset (All Colors)</td>
<td>“Lightness”, “Chroma” and “Hue” of all colors are reset.</td>
</tr>
</tbody>
</table>

7 Overview of All Color Settings

This function allows you to confirm the settings of all the colors.
Computer Image Adjustment (“Fine Sync” menu)

Use the Fine Sync function in case of irregularities such as vertical stripes or flickering in portions of the screen.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clock</td>
<td>Adjusts vertical noise.</td>
</tr>
<tr>
<td>Phase</td>
<td>Adjusts horizontal noise (similar to tracking on your VCR).</td>
</tr>
<tr>
<td>H-Pos</td>
<td>Centers the on-screen image by moving it to the left or right.</td>
</tr>
<tr>
<td>V-Pos</td>
<td>Centers the on-screen image by moving it up or down.</td>
</tr>
</tbody>
</table>

**Adjusting the Computer Image**

Use the Fine Sync function in case of irregularities such as vertical stripes or flickering in portions of the screen.

**Saving Adjustment Settings**

This projector allows you to store up to seven adjustment settings for use with various computers.

**Accessing Adjustment Settings**

Adjustment settings stored in the projector can be easily accessed.

**Note**

- If a memory has not been set, the resolution and frequency setting will not be displayed.
- When selecting a stored adjustment setting with “Select Setting”, you can set the projector in the stored adjustments.

**Setting the Resolution**

Ordinarily, the type of input signal is detected and the correct resolution mode is automatically selected. However, for some signals, the optimal resolution mode in “Resolution” on the “Fine Sync” menu may need to be selected to match the computer display mode.

**Note**

- You can automatically adjust the computer image by setting “Auto Sync” on the “Fine Sync” menu to “Normal” or “High Speed”, or by pressing AUTO SYNC on the projector or on the remote control. See page 54 for details.
- To reset all adjustment items, select “Reset” and press ENTER.
5 Checking the Input Signal

You can check the input signal information.

6 Auto Sync Adjustment

Used to automatically adjust a computer image.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>Auto Sync adjustment is not automatically performed.</td>
</tr>
<tr>
<td>Normal</td>
<td>Auto Sync adjustment will occur when the projector is turned on or when the input signals are switched, when connected to a computer. “Normal” takes more time than “High Speed” for more accurate Auto Sync adjustment.</td>
</tr>
<tr>
<td>High Speed</td>
<td></td>
</tr>
</tbody>
</table>

Note

• Auto Sync adjustment is also performed by pressing AUTO SYNC on the projector or on the remote control.
• The Auto Sync adjustment may take some time to complete, depending on the image of the computer connected to the projector.
• When the optimum image cannot be achieved with Auto Sync adjustment, use manual adjustments. (See page 53.)
• When AUTO SYNC is pressed while “Auto Sync” is “High Speed” or “Off”, Auto Sync will be executed in “High Speed” mode. If the button is pressed again within one minute, Auto Sync will be executed in “Normal” mode.

7 Setting the Auto Sync Display Function

Used to set the display during Auto Sync.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Background</td>
<td>The image set as a background image is projected. See page 58.</td>
</tr>
<tr>
<td>Adjusting Disp.</td>
<td>The computer image being adjusted is displayed.</td>
</tr>
</tbody>
</table>

Menu operation ➔ Page 47
Audio Adjustment (“Audio” menu)

1 Adjusting the Audio

This function allows you to adjust the projector’s audio.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Press ▼</th>
<th>Press ▲</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance</td>
<td>Increased audio from the left speaker</td>
<td>Increased audio from the right speaker</td>
</tr>
<tr>
<td>Treble</td>
<td>For weaker treble</td>
<td>For stronger treble</td>
</tr>
<tr>
<td>Bass</td>
<td>For weaker bass</td>
<td>For stronger bass</td>
</tr>
</tbody>
</table>

Note

• To reset all adjustment items, select “Reset” and press ENTER.

2 Setting the Audio Output Type

This function determines whether the audio level output from the AUDIO OUTPUT terminal is fixed or variable by linking with VOLUME.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAO (Fixed Audio Output)</td>
<td>Audio output that does not vary in strength with the volume level of the source projector.</td>
</tr>
<tr>
<td>VAO (Variable Audio Output)</td>
<td>Audio output that varies in strength with the volume level of the source projector.</td>
</tr>
</tbody>
</table>

Note

When the projector is connected to audio equipment:
• It is recommended that “FAO” be selected on “Audio Out”. Because the audio signal from the audio equipment does not vary in strength with the volume level of the projector, you can enjoy better sound.
• When “FAO” is selected on “Audio Out”, video and audio may not synchronize.
  - When connecting audio equipment that has a function for adjusting audio delay time, adjust the delay time for synchronizing video and audio.
  - When the audio equipment does not have such a function and the unsynchronized video and audio bothers you, select “VAO” on “Audio Out”. Selecting “VAO” synchronizes video and audio automatically.
• The HDMI audio will not output from the MONITOR OUT AUDIO terminal when the projector is in the standby mode.

3 Setting the Speaker

This function allows you to turn the audio output of the internal speaker on or off when the projector is connected to an external amplifier.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>On</td>
<td>The audio signal is output from the internal speaker.</td>
</tr>
<tr>
<td>Off</td>
<td>The audio signal is not output from the internal speaker.</td>
</tr>
</tbody>
</table>

Note

• The HDMI audio will not output from the MONITOR OUT AUDIO terminal when the projector is in the standby mode.

Info

• When “Audio Out” has been set to “VAO”, first make sure to lower the volume of the projector before turning the power on or off and when switching the input.
Using the “Options 1” Menu

Displaying Dual Pictures (Pict in Pict)

The Pict in Pict (picture in picture) function allows you to display two pictures on the same screen. You can display the image input from VIDEO or S-VIDEO as an inset picture overlapping the main picture input from COMPUTER1/2, DVI or HDMI.

Note

- You can press ▲ / ▼ / ◀ / ◁ on the projector or on the remote control to change the location of the inset picture image. (The inset picture frame will be displayed. To display the inset picture to the desired position, move the frame and press ENTER on the projector or on the remote control.)
- When “On” is selected, INPUT and VOL on the projector will function as location shift button for the inset picture.
- Inset picture can only be displayed in composite video or S-video signal of NTSC/PAL/SECAM.
- The audio of the inset picture will come out of the projector’s speakers.
- While the “Pict in Pict” function is working, the “FREEZE” function only works for the inset picture.
- The “Pict in Pict” function does not work when the following signals are input to the main picture.
  - UXGA/SXGA+/WXGA (1360 × 768, 1366 × 768) signal
  - 480I/480P/540P/576I/576P/720P/1035I/1080I/1080P signal
  - Interlaced RGB signal
  - All signals (when “Resize” is set to “Dot by Dot”)
  - No signal (or when the resolution or refresh rate (vertical frequency) of the signal is changed)

Setting the Resize Mode

Depending on the input signal, you can select the screen image.

<table>
<thead>
<tr>
<th>When inputting RGB signal</th>
<th>When inputting HDMI/DTV/video signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>Normal</td>
</tr>
<tr>
<td>Full</td>
<td>Area Zoom</td>
</tr>
<tr>
<td>Dot By Dot</td>
<td>V-Stretch</td>
</tr>
<tr>
<td>Stretch</td>
<td>Stretch</td>
</tr>
<tr>
<td></td>
<td>Smart Stretch</td>
</tr>
</tbody>
</table>

Note

- For details of the Resize mode, see pages 39 and 40.
- You can also press RESIZE on the remote control to change the Resize mode. (See page 39.)
Setting the Video System

The video input system mode is factory preset to “Auto”; however, a clear picture from the connected audio-visual equipment may not be received, depending on the video signal difference. In that case, switch the video signal.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAL (50/60 Hz)</td>
<td>When connected to PAL video equipment.</td>
</tr>
<tr>
<td>SECAM</td>
<td>When connected to SECAM video equipment.</td>
</tr>
<tr>
<td>NTSC4.43</td>
<td>When reproducing NTSC signals in PAL video equip.</td>
</tr>
<tr>
<td>NTSC3.58</td>
<td>When connected to NTSC video equipment.</td>
</tr>
</tbody>
</table>

Note

- The video signal can only be set in VIDEO or S-VIDEO mode.
- When “Video System” is set to “Auto”, you may not receive a clear picture due to signal differences. Should this occur, switch to the video system of the source signal.
- While “Video System” is set to “Auto”, when PAL-M or PAL-N signal is input, the image from PAL signal will be displayed.

Setting the Projected Image Vertically (Digital Shift)

For easier viewing, this function shifts the image projected on the screen up or down eliminating either the upper or lower black band found in 16:9 and other wide aspect ratios.

<table>
<thead>
<tr>
<th>Press ◀</th>
<th>Press ▶</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shifts the projected image down.</td>
<td>Shifts the projected image up.</td>
</tr>
</tbody>
</table>

Note

- This function will not work depending on the type of resize mode. See pages 39 and 40 for details.

Setting On-screen Display

This function allows you to turn the on-screen messages on or off.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>All on-screen displays are displayed.</td>
</tr>
<tr>
<td>Level A</td>
<td>INPUT/VOLUME/MUTE/FREEZE/AUTO SYNC/MAGNIFY/ “An invalid button has been pressed.” are not displayed.</td>
</tr>
<tr>
<td>Level B</td>
<td>All on-screen displays are not displayed (except the menu, H&amp;V LENS SHIFT, KEYSTONE, FOCUS, ZOOM, “All buttons on Projector are locked.” and warning displays).</td>
</tr>
</tbody>
</table>

Note

- When “Keylock Level” is set to “Level A” or “Level B”, pressing STANDBY-ON displays “All buttons on Projector are locked.” regardless of the “OSD Display” setting.

CapturingProjected Images

This projector allows you to capture projected images (RGB signals) and set them as a startup image, or background image when no signals are being received.

Note

- Images can be captured only when they are from WXGA (1280 x 800) non-interlace signals in COMPUTER1/2, DVI or HDMI mode with “RESIZE” set to “Normal”.
- The saved image is reduced to 256 colors.
- Images from equipment connected to VIDEO or S-VIDEO terminal cannot be captured.
- Only one image can be captured and saved.
- The color of images may differ before and after saving if an image is captured on which image adjustment has been performed using the “C.M.S.” function.
- To delete the captured image, select “Delete”, and then press ENTER.
Using the “Options 1” Menu

7 Selecting the Background Image

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logo</td>
<td>Default image</td>
</tr>
<tr>
<td>Custom</td>
<td>User customized image (e.g. company logo)</td>
</tr>
<tr>
<td>Blue</td>
<td>Blue screen</td>
</tr>
<tr>
<td>None</td>
<td>Black screen</td>
</tr>
</tbody>
</table>

**Note**
- When “Custom” is selected, an image saved using “Image Capture” can be displayed as a background image.

8 Selecting the Startup Image

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logo</td>
<td>Default image</td>
</tr>
<tr>
<td>Custom</td>
<td>User customized image (e.g. company logo)</td>
</tr>
<tr>
<td>None</td>
<td>Black screen</td>
</tr>
</tbody>
</table>

**Note**
- When “Custom” is selected, an image saved using “Image Capture” can be displayed as a startup image.

9 Setting the Eco Mode

When the two lamps are lit at the same time

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Brightness</th>
<th>Power consumption (When using AC 100V)</th>
<th>Lamp life</th>
</tr>
</thead>
<tbody>
<tr>
<td>On</td>
<td>Approx. 77%</td>
<td>82%</td>
<td>Approx. 3,000 hours*</td>
</tr>
<tr>
<td>Off</td>
<td>100%</td>
<td>100%</td>
<td>Approx. 2,000 hours*</td>
</tr>
</tbody>
</table>

* This is a reference value and is not guaranteed.

**Note**
- When “Eco Mode” is set to “On”, the power consumption will decrease and the lamp life will extend.

10 Detecting the Input Signals Automatically

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>On</td>
<td>Automatically searches for and switches to the input mode in which signals are being received.</td>
</tr>
<tr>
<td>Off</td>
<td>“Auto Search” does not function.</td>
</tr>
</tbody>
</table>

**Note**
- While the “Auto Search” function is detecting the input signal, pressing a button on the projector or the remote control stops the “Auto Search” function. After the “Auto Search” function finishes completely, press the desired button.

11 Setting the Auto Power Off Function

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>On</td>
<td>The projector automatically enters the standby mode when no input signal is detected for 15 minutes or longer.</td>
</tr>
<tr>
<td>Off</td>
<td>The “Auto Power Off” function will be disabled.</td>
</tr>
</tbody>
</table>

**Note**
- When “Auto Power Off” is set to “On”, 5 minutes before the projector enters the standby mode, the message “Enter STANDBY mode in X min.” will appear on the screen to indicate the remaining minutes.
Setting the System Lock Function

This function prevents unauthorized use of the projector. Once this function is activated, users must enter the correct keycode each time the projector is turned on. We suggest you record the keycode in a safe place where only authorized users have access.

Info

- If you lose or forget your keycode, contact your nearest EIKI Authorized Dealer or Service Center (see page 81). Even if the product warranty is valid, the keycode reset will incur a charge.

Setting the keycode

1. Select “System Lock” on the “Options 1” menu, then press ►.
   - A message is displayed.
   - Read this message, and press ENTER.

2. Press the 4 buttons on the remote control or on the projector to enter the preset keycode in “Old Code”.
   - When setting the keycode for the first time, press ▼ on the projector for four times.

Note

- If you input a wrong keycode, the cursor returns to the first point of the “Old Code”.
- The preset keycode is 4 ▼ buttons on the projector. If this keycode is set, the keycode input screen does not appear when turning the power on.

3. Press the 4 buttons on the remote control or on the projector to enter the new keycode in “New Code”.

Note

- You cannot use the following buttons for keycode: STANDBY-ON, ENTER, L-CLICK, R-CLICK/UNDO, MENU, ZOOM, FOCUS, H&V LENS SHIFT
- System Lock function recognizes each button on the remote control or on the projector as an individual button, even if they share the same button name. If you set the keycode with the buttons on the projector, use only those buttons on the projector. If you set the keycode with the buttons on the remote control, use only those buttons on the remote control.

4. Enter the same keycode in “Reconfirm”.

Note

Not displaying the keycode input screen when turning the projector on

- Press ▼ on the projector for four times in steps 3 and 4 above.

When the System Lock is set

- When System Lock is set, the keycode input screen appears after the power is turned on. When it appears, enter the right keycode to start projection. Failure to enter the keycode will cause images not to be projected even when signals are entered to the projector.
Using the “Options 1” Menu

Changing the keycode

| Old Code  | - - - |
| New Code  | - - - |
| Reconfirm | - - - |

1 Press the 4 buttons on the remote control or on the projector to enter the preset keycode in “Old Code”.

2 Press the 4 buttons on the remote control or on the projector to enter the new keycode in “New Code”.

3 Enter the same keycode in “Reconfirm”.

When the system lock is set

If you have set the system lock, enter the keycode and follow the procedure below to release the system lock.

▼ Input screen for keycode

Note
- When System Lock is set, the keycode input screen appears after the power is turned on.
- If no keycode is entered, the image will not be displayed, even if the projector receives the input signal.

1 Press STANDBY-ON on the remote control or on the projector to turn on the projector.

2 When the keycode input screen appears, enter the right keycode to start projection.

Note
- System Lock function recognizes each button on the remote control or on the projector as an individual button, even if they share the same button name. If you set the keycode with the buttons on the projector, use only those buttons on the projector. If you set the keycode with the buttons on the remote control, use only those buttons on the remote control.
Helpful Functions Set during Installation (“Options 2” menu)

Setting a Password

- There is no factory preset for the password, so the “Options 2” menu is enabled.
- If you do not want others to operate the “Options 2” menu, set a password.

1. Select “Password” from the “Options 2” menu, and press ►.
2. Press ▲ or ▼ to set the first digit in “New Password” and then press ►.
3. Enter the remaining 3 digits and press ENTER.
4. Enter the same password in “Reconfirm” and press ENTER.

Info

- The password must be entered to use the “Options 2” menu when a password has been set.

Changing the password

1. Press ▲, ▼ and ► to enter the password in “Old Password” and press ENTER.
2. Press ▲, ▼ and ► to set the new password in “New Password” and press ENTER.
3. Enter the same 4-digit password in “Reconfirm” and press ENTER.

Note

- If you do not want to set a password, leave the fields blank in steps 2 and 3 and press ENTER.
- To cancel the password settings, press UNDO.

If You Forget Your Password

If you forget the password, delete it using the following procedure and set a new password.

Press ▲ → ▼ → ▼ → ▼ → ▼ → ▼ → ▼ → ▼ on the projector.
Helpful Functions Set during Installation ("Options 2” menu)

### Setting the Lamp Mode

This function allows you to select the usage of the two lamps installed in the projector.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Both Lamps</td>
<td>Both lamps are used for greater brightness.</td>
</tr>
<tr>
<td>Lamp 1 Only</td>
<td>The lamp 1 is used. When the lamp 1 burns out, the lamp 2 automatically switches in use.</td>
</tr>
<tr>
<td>Lamp 2 Only</td>
<td>The lamp 2 is used. When the lamp 2 burns out, the lamp 1 automatically switches in use.</td>
</tr>
<tr>
<td>Equal Use</td>
<td>Both lamps are used alternately for certain periods.</td>
</tr>
</tbody>
</table>

### Selecting the Lens Type

When you change the lens, you need to set the lens type. See the table below to select the lens type.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Attached lens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 1</td>
<td>AH-55201</td>
</tr>
<tr>
<td>Type 2</td>
<td>AH-55301</td>
</tr>
<tr>
<td>Type 3</td>
<td>AH-55401</td>
</tr>
<tr>
<td>Type 4</td>
<td>AH-55501</td>
</tr>
<tr>
<td>Type 5</td>
<td>AH-55601</td>
</tr>
<tr>
<td>Type 6</td>
<td>AH-55701</td>
</tr>
<tr>
<td>Type 7</td>
<td>AH-55801</td>
</tr>
</tbody>
</table>

**Info**

- The Lens Shift, Keystone Correction, etc. may not properly function if the correct lens type is not selected.

**Note**

- When “Lens Type” is changed, “GEOMETRIC ADJUSTMENT”, “H&V KEYSTONE” and “IMAGE RESIZING” will be reset.

### Reversing/Inverting Projected Images

This projector is equipped with a reverse/invert image function that allows you to reverse or invert the projected image for various applications.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>Normal image</td>
</tr>
<tr>
<td>Ceiling + Front</td>
<td>Inverted image</td>
</tr>
<tr>
<td>Rear</td>
<td>Reversed image</td>
</tr>
<tr>
<td>Ceiling + Rear</td>
<td>Reversed and inverted image</td>
</tr>
</tbody>
</table>

**Note**

- This function is used for the reversed image and ceiling-mount setups. (See page 23.)

### Controlling Multiple Projectors with the One Remote Control

This function allows you to control multiple projectors with the one remote control during the stack projection or the video wall projection. When using this function, connect the projectors with LAN cables and assign a projector as the master and the other projectors as the slaves. See page 27 for connecting LAN cables.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>The stack setting is not available.</td>
</tr>
<tr>
<td>Master</td>
<td>Set the projector as the master.</td>
</tr>
<tr>
<td>Slave</td>
<td>Set the projector as the slave.</td>
</tr>
</tbody>
</table>

**Note**

- When controlling multiple projectors with the one remote control, settings via web browser are required. Refer to the “SETUP MANUAL” contained on the supplied CD-ROM for details.
- Only when controlling two projectors with the one remote control, using “Pair Stack” allows you to skip settings via web browser. (See page 63.)
- When “Slave” is selected on “Stack Setting”, the slave projector cannot be controlled with the remote control. To control the slave projector with the remote control, connect the remote control to the projector. (See page 17.)
⑥ Shortcut to Make Projector Stack Settings

Normally, settings via web browser are required for the stack projection. You can skip the settings via web browser by using “Pair Stack”, only when you use the two projectors for the stack projection.

**Note**
• Before setting “Pair Stack”, select “Master” or “Slave” on “Stack Setting”.

**1 Select “Pair Stack” on the “Option 2” menu, and then press ENTER.**
• The confirmation screen will be displayed.

**2 Select “OK”, and then press ENTER.**
• The network settings of the projector will change as shown below.

<table>
<thead>
<tr>
<th>Master</th>
<th>Slave</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Address</td>
<td>192.168.150.2</td>
</tr>
<tr>
<td>Subnet Mask</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>DHCP Client</td>
<td>OFF</td>
</tr>
<tr>
<td>Gateway</td>
<td>0.0.0.0</td>
</tr>
<tr>
<td>User Name</td>
<td>(Reset)</td>
</tr>
<tr>
<td>Password</td>
<td>(Reset)</td>
</tr>
<tr>
<td>Data Port</td>
<td>10002</td>
</tr>
</tbody>
</table>

⑦ Locking the Operation Buttons on the Projector

This function can be used to lock the use of certain operation buttons on the projector.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>All operation buttons are functional.</td>
</tr>
<tr>
<td>Level A</td>
<td>Only INPUT/VOL buttons on the projector are available.</td>
</tr>
<tr>
<td>Level B</td>
<td>All operation buttons on the projector are unavailable.</td>
</tr>
</tbody>
</table>

⑧ Bypassing Unused Input Selections

This function allows you to skip the input mode that you rarely use. You can skip the input modes when “Auto Search” works.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPUTER 1</td>
<td>ON</td>
</tr>
<tr>
<td>COMPUTER 2</td>
<td>OFF</td>
</tr>
<tr>
<td>DVI, HDMI, VIDEO, S-VIDEO</td>
<td></td>
</tr>
</tbody>
</table>

⑨ Selecting the Fan Mode

This function changes the fan rotation speed.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>Suitable for normal environments.</td>
</tr>
<tr>
<td>High</td>
<td>Select this when using the projector at attitudes of approximately 1,500 meters (4,900 feet) or more.</td>
</tr>
</tbody>
</table>

**Note**
• When “Fan Mode” is set to “High”, the fan rotation speeds up, and the fan noise becomes louder.

⑩ Setting the Auto Restart Function

If the power cord is unplugged from the outlet or the breaker switch is turned off when the projector is on, then the projector automatically turns on when the power cord is plugged into the AC outlet or the breaker switch is turned on.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>On</td>
<td>The projector does not turn on automatically when the power cord is plugged into the AC outlet or the breaker switch is turned on.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
</tbody>
</table>

Menu operation ➔ Page 47
**Selecting the Transmission Speed (RS-232C)**

Make sure that both the projector and computer are set for the same baud rate.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9600 bps</td>
<td>Transmission speed is slow.</td>
</tr>
<tr>
<td>38400 bps</td>
<td></td>
</tr>
<tr>
<td>115200 bps</td>
<td>Transmission speed is rapid.</td>
</tr>
</tbody>
</table>

**Note**
- Refer to the “SETUP MANUAL” contained on the supplied CD-ROM for RS-232C Specifications and Command Settings.
- Refer to the computer’s owner’s manual for instructions for setting the computer’s baud rate.

**Setting the Monitor Output**

When the Monitor Out has been set to “Enable”, the monitor output is activated and power is consumed even in the standby mode. It is recommended that the Monitor Out be set to “Disable” when it is not connected. This reduces power consumption when the projector is in the standby mode.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable</td>
<td>The monitor output function is activated even if the projector is in standby mode.</td>
</tr>
<tr>
<td>Disable</td>
<td>The monitor output function is switched off when the projector is in standby mode.</td>
</tr>
</tbody>
</table>

**Setting the LAN/RS232C**

When the LAN/RS232C has been set to “Enable”, the LAN/RS232C is activated and power is consumed even in the standby mode. It is recommended that the LAN/RS232C be set to “Disable” when it is not connected. This reduces power consumption when the projector is in the standby mode.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable</td>
<td>The LAN/RS232C function is activated even if the projector is in standby mode.</td>
</tr>
<tr>
<td>Disable</td>
<td>The LAN/RS232C function is switched off when the projector is in standby mode.</td>
</tr>
</tbody>
</table>

**Note**
- When you want to control the projector using the LAN/RS232C function, select “Enable.”
- The item “LAN/RS232C” will be made unavailable for setting when “Master” or “Slave” is selected on “Stack Setting”. (“LAN/RS232C” will be set to “Enable” automatically.) (See page 62.)

**Setting the DHCP Client**

Connect the LAN cable before turning the projector on. If not, the DHCP Client function does not work.

<table>
<thead>
<tr>
<th>Selectable items</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>Obtains configuration parameters for TCP/IP network automatically.</td>
</tr>
<tr>
<td>OFF</td>
<td>Sets the TCP/IP manually.</td>
</tr>
</tbody>
</table>

**Note**
- Select “ON” for “DHCP Client”. “Obtaining IP Address...” appears, then the message “The network settings have been changed.”, IP Address, Subnet Mask and Gateway will be displayed.
- If the DHCP server is not available, “Could not obtain IP Address.” appears. In this case, set the TCP/IP manually. (See “Setting the TCP/IP” on page 65.)
Helpful Functions Set during Installation ("Options 2" menu)/Using the Other Menus ("Language" and "Status" menus)

15 Setting the TCP/IP

Set the TCP/IP manually.

1 Select “TCP/IP”, then press ENTER.

2 Enter “IP Address” using ▲, ▼, ► and ◄, then press ENTER.

<table>
<thead>
<tr>
<th>TCP/IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Address</td>
</tr>
<tr>
<td>Subnet Mask</td>
</tr>
<tr>
<td>Gateway</td>
</tr>
</tbody>
</table>

3 Enter “Subnet Mask” using ▲, ▼, ► and ◄, then press ENTER.

4 Enter “Gateway” using ▲, ▼, ► and ◄, then press ENTER.

16 Service Mode

Only the service centers use the menu. Do not use the menu.

17 Returning to the Default Settings

This function allows you to initialize the settings you have made in the projector.

Note

About the network settings
- “IP Address”, “Subnet Mask”, “Gateway” and other network setting items are initialized.
- The following items or menu cannot be initialized.
  - “C. M. S.” menu
  - “Lightness”, “Chroma” and “Hue” respectively saved for Custom 1-3 on the “C.M.S.” menu.
  - “Fine Sync” menu
  - Resolution
  - “Options 1” menu
  - System Lock
  - “Options 2” menu
  - Lens Type
  - “Language” menu
  - Image stored using “Image Capture”
  - Lamp Timer (Life)

Selecting the On-screen Display Language

The projector can switch the on-screen display language among 16 languages.

Overview of All Menu Settings and the Lamp Life

This function can be used to display all the adjusted settings as a list on the screen and you can confirm the lamp life.
Cleaning the projector

- Ensure the power cord is unplugged before cleaning the projector.
- The cabinet as well as the operation panel is made of plastic. Avoid using benzene or thinner, as these can damage the finish on the cabinet.
- Do not use volatile agents such as insecticides on the projector.
- Do not attach rubber or plastic items to the projector for long periods.
- The effects of some of the agents in the plastic may cause damage to the quality or finish of the projector.

- Wipe off dirt gently with a soft flannel cloth.
- When the dirt is hard to remove, soak a cloth in a mild detergent diluted with water, wring the cloth well and then wipe the projector.
- Strong cleaning detergents may discolor, warp or damage the coating on the projector. Make sure to test on a small, inconspicuous area on the projector before use.

Cleaning the lens

- Use a commercially available blower or lens cleaning paper (for glasses and camera lenses) for cleaning the lens. Do not use any liquid type cleaning agents, as they may wear off the coating film on the surface of the lens.
- As the surface of the lens can easily get damaged, be careful not to scrape or hit the lens.

Cleaning the air vents and the intake vent cover

- Use a vacuum cleaner to clean dust from the exhaust vent, the intake vents and the intake vent cover (on the bottom of the projector).

- If you want to clean the air vents and the intake vent cover during projector operation, ensure you press STANDBY-ON on the projector or on the remote control and put the projector into standby mode. After the cooling fan has stopped, unplug the power cord from the AC socket and clean the air vents and the intake vent cover.
Cleaning the Dust Filters

Info
- The dust filters should be cleaned every 100 hours of use. Clean the filters more often when the projector is used in a dusty or smoky location.

1. Press **STANDBY-ON** on the projector or on the remote control to put the projector into standby mode.
   - Disconnect the power cord and unplug the power cord from the AC socket after the cooling fan stops.

2. Remove the filter cover.
   - Remove the filter cover as shown in the figures while pressing down the tabs.

3. Clean the dust off the dust filters and the cover with a hand broom.
Cleaning and Replacing the Dust Filters

4 Replace the filter cover.
   • Insert the filter cover as shown in the figure and push both the two tabs until you hear a click.

Note
   • Be sure the filter cover is securely installed. The power will not turn on unless it is correctly installed.

Replacing the Dust Filters

Info
   • If the filters become too dirty to clean effectively, purchase new ones (9NK3243101400) from your nearest EIKI Authorized Dealer or Service Center.

After removing the filter cover (see step 2 of “Cleaning the Dust Filters”), remove the dust filters, then replace with new ones.
   • Pick the dust filters up with your fingers and lift them out of the filter cover.
   • When attaching the dust filters, make sure that these are inserted below the tabs on both left and right, and that the slits are pierced through.
Maintenance Indicators

- The warning lights on the projector indicate problems inside the projector.
- If a problem occurs, either the temperature warning indicator or the lamp indicator will illuminate red, and the projector will enter the standby mode. After the projector has entered the standby mode, follow the procedures given below.

About the temperature warning indicator

- If the temperature inside the projector increases, due to blockage of the air vents, or the setting location, "TEMP." will illuminate in the lower left corner of the picture. If the temperature keeps on rising, the lamp will turn off and the temperature warning indicator will blink, the cooling fan will run for a further 90 seconds, and then the projector will enter the standby mode. After "TEMP." appears, ensure you perform the measures described on page 70.

About the lamp indicator

- "Change The Lamp. (LAMP 2)" is displayed when the remaining life of the lamp 2 becomes 5% or less.
- When the remaining lamp life becomes 5% or less, "TEMP." (yellow) and "Change The Lamp. (LAMP 1/2)" will be displayed on the screen.
- When the percentage becomes 0%, it will change to "TEMP." (red), the lamp will automatically turn off. At this time, the lamp indicator will illuminate in red.
- If you try to turn on the projector a fourth time without replacing the lamp, the lamp whose life is 0% will not light up.

Indicators on the Projector

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Green on</th>
<th>Normal (Standby)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Red on</td>
<td>Normal (Power on)</td>
</tr>
<tr>
<td></td>
<td>Green blinks</td>
<td>Abnormal (See page 70.)</td>
</tr>
<tr>
<td></td>
<td>Red blinks</td>
<td>Normal (Cooling)</td>
</tr>
<tr>
<td>Lamp (1, 2) indicators</td>
<td>Green on</td>
<td>Normal</td>
</tr>
<tr>
<td></td>
<td>Green blinks</td>
<td>The lamp is warming up.</td>
</tr>
<tr>
<td></td>
<td>Red on</td>
<td>The lamp is shut down abnormally or requires to be changed. (See page 70.)</td>
</tr>
<tr>
<td>Temperature warning indicator</td>
<td>Off</td>
<td>Normal</td>
</tr>
<tr>
<td></td>
<td>Red on</td>
<td>The internal temperature is abnormally high. (See page 70.)</td>
</tr>
</tbody>
</table>
## Maintenance Indicators

<table>
<thead>
<tr>
<th>Maintenance indicator</th>
<th>Normal</th>
<th>Abnormal</th>
<th>Problem</th>
<th>Cause</th>
<th>Possible solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature warning indicator</td>
<td>Off</td>
<td>Red on (Standby)</td>
<td>The internal temperature is abnormally high.</td>
<td>• Blocked air intake</td>
<td>• Relocate the projector to an area with proper ventilation. (See page 10.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Cooling fan breakdown</td>
<td>• Take the projector to your nearest EIKI Authorized Dealer or Service Center for repair.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Internal circuit failure</td>
<td>• Clean the air vents and the dust filter. (See page 67.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Clogged air intake</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Clogged dust filter</td>
<td></td>
</tr>
<tr>
<td>Lamp (1, 2) indicators</td>
<td>Green on (Green blinks when the lamp is warming up)</td>
<td>Red on</td>
<td>The lamp does not illuminate.</td>
<td>• The lamp is shut down abnormally.</td>
<td>• Disconnect the power cord from the AC outlet, and then connect it again.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Red on (Standby)</td>
<td>Time to change the lamp.</td>
<td>• Remaining lamp life becomes 5% or less.</td>
<td>• Carefully replace the lamp. (See page 72.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>The lamp does not illuminate.</td>
<td>• Burnt-out lamp</td>
<td>• Take the projector to your nearest EIKI Authorized Dealer or Service Center for repair.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Lamp circuit failure</td>
<td>• Please exercise care when replacing the lamp.</td>
</tr>
<tr>
<td>Power indicator</td>
<td>Red on/ Green on</td>
<td>Green blinks</td>
<td>The power indicator blinks in green when the projector is on.</td>
<td>• The filter cover is open.</td>
<td>• Securely install the filter cover or lens cover.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• The lens cover is open.</td>
<td>• If the power indicator blinks even when the filter cover or lens cover is securely installed, contact your nearest EIKI Authorized Dealer or Service Center for advice.</td>
</tr>
</tbody>
</table>

### Info

- If the temperature warning indicator blinks and the projector enters the standby mode, the temperature warning indicator starts to illuminate. Check whether any of the ventilation holes are blocked (see page 10) and then try turning the power back on. Wait until the projector has cooled down completely before plugging in the power cord and turning the power back on. (At least 10 minutes.)
- If the power is turned off for a brief moment due to power outage or some other cause while using the projector, and the power supply recovers immediately after that, the lamp indicator will illuminate in red and the lamp may not be lit. In this case, unplug the power cord from the AC outlet, replace the power cord in the AC outlet and then turn the power on again.
- The cooling fan keeps the internal temperature of the projector constant and this function is controlled automatically. The sound of the cooling fan may change during operation because the fan speed may change and this is not a malfunction.
Regarding the Lamp

Lamp

■ It is recommended that the lamp unit (sold separately) be replaced when the remaining lamp life becomes 5% or less, or when you notice a significant deterioration in the picture and color quality. The lamp life (percentage) can be checked with the on-screen display. See page 65.
■ Purchase a replacement lamp unit of type AH-55001 from your place of purchase, nearest EIKI Authorized Dealer or Service Center.

Caution Concerning the Lamp

■ This projector utilizes a pressurized mercury lamp. A loud sound may indicate lamp failure. Lamp failure can be attributed to numerous sources such as: excessive shock, improper cooling, surface scratches or deterioration of the lamp due to a lapse of usage time. The period of time up to failure largely varies depending on the individual lamp and/or the condition and the frequency of use. It is important to note that failure can often result in the bulb cracking.
■ When the lamp indicator and on-screen display icon are illuminated, it is recommended that the lamp be replaced with a new one immediately, even if the lamp appears to be operating normally.
■ Should the lamp break, the gas contained in the lamp may be vented into the room from the exhaust vent. Because the gas in this lamp includes mercury, ventilate the room well if the lamp breaks and avoid all exposure to the released gas. In case of exposure to the gas, consult a doctor as soon as possible.
■ Should the lamp break, there is also a possibility that gas particles may spread inside of the projector. In such a case, it is recommended you contact your nearest EIKI Authorized Dealer or Service Center to assure safe operation.

Replacing the Lamp

Caution

■ Do not remove the lamp unit from the projector right after use. The lamp will be very hot and may cause burn or injury.
■ Wait at least one hour after the power cord is disconnected to allow the surface of the lamp unit to fully cool before removing the lamp unit.
■ Carefully change the lamp by following the instructions described in this section. *If you wish, you may have the lamp replaced at your nearest EIKI Authorized Dealer or Service Center.

* If the new lamp does not illuminate after replacement, take your projector to the nearest EIKI Authorized Dealer or Service Center for repair.
Removing and Installing the Lamp Unit

**Warning!**
- Do not remove the lamp unit from the projector right after use. The lamp and parts around the lamp will be very hot and may cause burn or injury.

**Info**
- Make sure the lamp unit is removed using the handle. Make sure the glass surface of the lamp unit or the inside of the projector are not touched.
- To avoid injury to yourself and damage to the lamp, make sure you carefully follow the steps below.
- Do not loosen other screws except for the lamp unit cover and lamp unit.

1. **Press STANDBY-ON on the projector or on the remote control to put the projector into standby mode.**
   - Disconnect the power cord and unplug the power cord from the AC socket after the cooling fan stops.
   - The cooling fan may continue to run for a while even after the power cord is removed.
   - Leave the lamp until it has fully cooled down (about 1 hour).

2. **Remove the lamp unit cover.**
   - Loosen the user service screw (①) that secures the lamp unit cover. Remove the lamp unit cover to slide it in the direction of the arrow (②).
3 Remove the lamp unit.
• Loosen the securing screws (two for each lamp) from the lamp unit. Hold the lamp unit by the handle and pull it in the direction of the arrow. At this time, keep the lamp unit horizontal and do not tilt it.

4 Insert the new lamp unit.
• Fully insert the lamp unit into the lamp unit compartment. Press the handles back to their positions, and tighten the securing screws.

5 Replace the lamp unit cover.
• Slide the lamp unit cover to the position where the indicator "↑" of the lamp cover unit and the "↓" of the projector will meet to close the cover. Then tighten the user service screw to secure the lamp unit cover.

Info
• If the lamp unit and lamp unit cover are not correctly installed, the power will not turn on, even if the power cord is connected to the projector.
Resetting the Lamp Timer

Reset the lamp timer after replacing the lamp.

**Info**

- Make sure to reset the lamp timer only when replacing the lamp. If you reset the lamp timer and continue to use the same lamp, this may cause the lamp to become damaged or explode.

1. **Connect the power cord.**
   - Plug the power cord into the AC socket of the projector.

2. **Reset the lamp timer.**
   
   **For Lamp 1**
   - When you reset the timer, while simultaneously holding down \(\downarrow, \uparrow\) and \(\text{ENTER}\), press \(\text{STANDBY-ON}\) on the projector.
   - “LAMP1 0000H” is displayed, indicating that the lamp timer is reset.

   **For Lamp 2**
   - When you reset the timer, while simultaneously holding down \(\text{ }\) and \(\text{ENTER}\), press \(\text{STANDBY-ON}\) on the projector.
   - “LAMP2 0000H” is displayed, indicating that the lamp timer is reset.
The following is a list of modes that conform to VESA. However, this projector supports other signals that are not VESA standards.

### Computer Compatibility Chart

- **Multiple signal support**
  - Horizontal Frequency: 15–126 kHz
  - Vertical Frequency: 43–200 Hz
- **Pixel Clock:** 12–230 MHz

#### VESA Standard
- **Display DVI Support**
- **HDMI Support**

### Resolution Table

<table>
<thead>
<tr>
<th>PC/ MAC/ WS</th>
<th>Resolution</th>
<th>Horizontal Frequency (kHz)</th>
<th>Vertical Frequency (Hz)</th>
<th>VESA Standard</th>
<th>DVI Support</th>
<th>HDMI Support</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC</td>
<td>640 × 350</td>
<td>27.0 60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>True</td>
</tr>
<tr>
<td></td>
<td>640 × 400</td>
<td>27.0 60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>True</td>
</tr>
<tr>
<td></td>
<td>640 × 480</td>
<td>27.0 60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>True</td>
</tr>
<tr>
<td></td>
<td>800 × 600</td>
<td>27.0 60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>True</td>
</tr>
<tr>
<td></td>
<td>1024 × 768</td>
<td>27.0 60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>True</td>
</tr>
</tbody>
</table>

#### Advanced Intelligent Compression

### Compatibility With Sync on Green Signal

The table below lists signal codes that are compatible with the projector. When the images are distorted or cannot be projected, adjust the output signal of your computer and so forth while referring to the table below.
Note

- This projector may not be able to display images from notebook computers in simultaneous (CRT/LCD) mode. Should this occur, turn off the LCD display on the notebook computer and output the display data in “CRT only” mode. Details on how to change display modes can be found in your notebook computer owner’s manual.
- When this projector receives 640 × 350 VESA format VGA signals, “640 × 400” appears on the screen.
- When projecting the RGB interlace signal using COMPUTER 1/2 with “Signal Type” set to “Auto” or “RGB”, the image may not be projected as desired. In this case, select either VIDEO or S-VIDEO.
- When “Screen resolution” of the computer is different from the resolution displayed on the projected image, follow the procedures shown below.
  - Refer to “Setting the Resolution” on page 53 and select the same resolution as the resolution in “Screen resolution” of the computer.
  - Depending on the computer you are using, the output signal may not be faithful to the “Screen resolution” adjustment. Check the settings of the computer’s signal output. If the settings cannot be changed, it is recommended that the resolution be set to the one that corresponds to “True” in the “Display” column.

<table>
<thead>
<tr>
<th>Signal</th>
<th>Horizontal Frequency (kHz)</th>
<th>Vertical Frequency (Hz)</th>
<th>DVI/HDMI Support (Compatible with HDCP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>480I</td>
<td>15.7</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>480P</td>
<td>31.5</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>540P</td>
<td>33.8</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>576I</td>
<td>15.6</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>576P</td>
<td>31.3</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>720P</td>
<td>45.0</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>1035I</td>
<td>37.5</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>1080I</td>
<td>33.8</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>1080P*</td>
<td>28.1</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td></td>
<td>67.5</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td></td>
<td>56.3</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

* When 1080P signal is input, the image is compressed before it is displayed on the screen.
Attaching the Optional Lens

Do not attempt to exchange the lens when the projector is installed hanging from the ceiling. Injury may occur if the lens cover and lens fall.

Before exchanging the lens, reset lens shift to the center position. (The lens shift is located at the center in the factory preset.)

When resetting the lens shift to the center position, press H&V LENS SHIFT and then press UNDO.
• The lens shift reset screen will be displayed. Select “Yes” to reset.

1 Press STANDBY-ON on the projector or on the remote control to put the projector into standby mode.
• Disconnect the power cord and unplug the power cord from the AC socket after the cooling fan stops.

2 Remove the lens cover.
• Press the lens cover removal button (①). Slide the lens cover forward (②).

3 Turn the lens in the direction of the arrow while pressing the lens removal lever to pull the lens out.
4 Remove the lens cap from a replacement lens.

5 Insert the hook of the replacement lens to the notch, and turn the lens in the direction of the arrow.
   • Make sure that the lens is locked with the lens removal lever when you hear a click sound.

6 Slide and attach the lens cover.
   • The power cannot be turned on unless the lens cover is fully inserted.

7 After changing (setting) the lens, select the correct lens type. (See page 62.)
### Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Check</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>No picture and no sound or projector does not start.</td>
<td>• Projector power cord is not plugged into the wall outlet.</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>• Power to the external connected devices is off.</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>• The selected input mode is wrong.</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>• Cables are incorrectly connected to the projector.</td>
<td>24–27</td>
</tr>
<tr>
<td></td>
<td>• Remote control batteries have run out.</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>• External output has not been set when connecting notebook computer.</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>• When the connected DVI digital equipment is turned on before the “DVI” input mode is selected on the projector, the image may not be projected properly or may not be displayed at all. Ensure that the appropriate input mode has been selected and set the input signal type on the projector before you turn on the connected equipment.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Is the lens cover correctly attached?</td>
<td>78</td>
</tr>
<tr>
<td></td>
<td>• Is the filter cover correctly attached?</td>
<td>68</td>
</tr>
<tr>
<td></td>
<td>• Is the lamp unit cover correctly attached?</td>
<td>73</td>
</tr>
<tr>
<td>Sound is heard but no picture appears.</td>
<td>• Cables are incorrectly connected to the projector.</td>
<td>24–27</td>
</tr>
<tr>
<td></td>
<td>• “Bright” is set to minimum position.</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>• The “Shutter” is closed.</td>
<td>41</td>
</tr>
<tr>
<td>Color is faded or poor.</td>
<td>• Image adjustments are incorrectly set.</td>
<td>49</td>
</tr>
<tr>
<td></td>
<td>(COMPUTER 1/2, DVI, HDMI only)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Input signal type (RGB/Component) is incorrectly set.</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>(VIDEO, S-VIDEO only)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Video Input system is incorrectly set.</td>
<td>57</td>
</tr>
<tr>
<td>Picture is blurred; noise appears.</td>
<td>• Adjust the focus.</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>• The projection distance exceeds the focus range.</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>• When an optional lens is attached, refer to the owner’s manual of the lens.</td>
<td>—</td>
</tr>
<tr>
<td>Picture appears but no sound is heard.</td>
<td>• Cables are incorrectly connected to the projector.</td>
<td>24–27</td>
</tr>
<tr>
<td></td>
<td>• Volume is set to minimum.</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>• The “MUTE” function is working.</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>• The “Speaker” menu is set to “Off”.</td>
<td>55</td>
</tr>
</tbody>
</table>
## Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Check</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>An unusual sound is occasionally heard from the cabinet.</td>
<td>• If the picture is normal, the sound is due to cabinet shrinkage caused by room temperature changes. This will not affect operation or performance.</td>
<td>—</td>
</tr>
<tr>
<td>Maintenance indicator illuminates or blinks in red.</td>
<td>• See “Maintenance Indicators”.</td>
<td>69</td>
</tr>
<tr>
<td>The projector cannot be turned on or put into the standby mode using the STANDBY-ON button on the projector.</td>
<td>• If the “Keylock Level” menu is set to “Level A” or “Level B”, all or specific buttons on the projector are unavailable. Use the remote control to operate the projector.</td>
<td>63</td>
</tr>
<tr>
<td>All buttons on the projector and the remote control are unavailable.</td>
<td>• If the “Stack Setting” menu is set to “Slave” and the “Keylock Level” menu is set to “Level B”, all buttons on the projector and the remote control are unavailable. Connect the remote control to the projector, and then use the remote control to operate the projector.</td>
<td>17 62 63</td>
</tr>
<tr>
<td>Picture is green on COMPUTER 1 or 2 (COMPONENT).</td>
<td>• Change the input signal type setting.</td>
<td>51</td>
</tr>
<tr>
<td>Picture is pink (no green) on COMPUTER 1/2 or DVI (RGB).</td>
<td>• Change the input signal type setting.</td>
<td>—</td>
</tr>
<tr>
<td>The black levels of the image show banding or appear faded when DVI or HDMI is selected.</td>
<td>• Make adjustments that result in the best picture quality in the “Dynamic Range” setting.</td>
<td>51</td>
</tr>
<tr>
<td>Picture is too bright and whitish.</td>
<td>• Image adjustments are incorrectly set.</td>
<td>49</td>
</tr>
<tr>
<td>The cooling fan becomes noisy.</td>
<td>• When temperature inside the projector increases, the cooling fan runs faster.</td>
<td>9, 10 66, 69, 70</td>
</tr>
<tr>
<td>The lamp does not light up even after the projector turns on.</td>
<td>• The lamp indicator is illuminating in red. Replace the lamp.</td>
<td>69</td>
</tr>
<tr>
<td>The lamp suddenly turns off during projection.</td>
<td>• Cables are incorrectly connected to the projector or the connected equipment works improperly. • If this happens frequently, replace the lamp.</td>
<td>24–27 72</td>
</tr>
<tr>
<td>The image sometimes flickers.</td>
<td>• The lamps will eventually need to be changed. The lamps have reached the end of its life. Replace the lamps.</td>
<td>72</td>
</tr>
<tr>
<td>The lamps take a long time to turn on.</td>
<td>• Operate the remote control while pointing it at the projector’s remote control sensor. • The remote control may be too far away from the projector. • If direct sunlight or a strong fluorescent light is shining on the projector’s remote control sensor, place the projector where it will not be affected by strong light. • Is a ø3.5 mm minijack cable plugged into the WIRED REMOTE terminal? • The batteries may be depleted or inserted incorrectly. Make sure the batteries are inserted correctly or insert new ones.</td>
<td>16</td>
</tr>
</tbody>
</table>

This projector is equipped with a microprocessor. Its performance could be adversely affected by incorrect operation or interference. If this should happen, unplug the projector and plug it in again after more than 5 minutes.
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>EIP-WX5000 (Standard zoom lens attached) / EIP-WX5000L (No lens attached)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display devices</td>
<td>0.65” DLP(^{®}) Chip (\times3)</td>
</tr>
<tr>
<td>Resolution</td>
<td>WXGA ((1280 \times 800))</td>
</tr>
<tr>
<td>Lens (Standard)</td>
<td>F number (= F 2.5)</td>
</tr>
<tr>
<td></td>
<td>Zoom (\times1.25) ((f = 25.5 – 32.0\ mm))</td>
</tr>
<tr>
<td></td>
<td>Focus (\times)</td>
</tr>
<tr>
<td>Lens shift</td>
<td>Power ((V : \pm 66% / H : \pm 35%))</td>
</tr>
<tr>
<td>Input terminals</td>
<td>HDMI (\times1)</td>
</tr>
<tr>
<td></td>
<td>DVI-D (Compatible with HDCP) (\times1)</td>
</tr>
<tr>
<td></td>
<td>Computer / Component (5BNC) (\times1)</td>
</tr>
<tr>
<td></td>
<td>Computer / Component (mini D-sub 15 pin) (\times1)</td>
</tr>
<tr>
<td></td>
<td>S-Video (mini DIN 4 pin) (\times1)</td>
</tr>
<tr>
<td></td>
<td>Video (RCA) (\times1)</td>
</tr>
<tr>
<td></td>
<td>Audio (ø3.5 mm stereo minijack) (\times3)</td>
</tr>
<tr>
<td></td>
<td>Audio (RCA) (\times2) ((L/R))</td>
</tr>
<tr>
<td>Output terminals</td>
<td>Computer / Component (mini D-sub 15 pin) (\times1)</td>
</tr>
<tr>
<td></td>
<td>Audio (ø3.5 mm stereo minijack) (\times1) ((\text{variable audio output}))</td>
</tr>
<tr>
<td>Control and communication terminals</td>
<td>LAN (RJ-45) (\times1)</td>
</tr>
<tr>
<td></td>
<td>RS-232C (mini DIN 9 pin) (\times1)</td>
</tr>
<tr>
<td></td>
<td>Wired Remote (ø3.5 mm stereo minijack) (\times1)</td>
</tr>
<tr>
<td>Speakers</td>
<td>3 W (\times) 2 (Stereo)</td>
</tr>
<tr>
<td>Projection lamp</td>
<td>280 W (\times) 2 lamps</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>AC 100 – 240 V</td>
</tr>
<tr>
<td>Rated frequency</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Input current</td>
<td>7.7 A</td>
</tr>
<tr>
<td>Power consumption (Standby)</td>
<td>755 W (16.7 W) with AC 100 V</td>
</tr>
<tr>
<td></td>
<td>710 W (16.9 W) with AC 240 V</td>
</tr>
<tr>
<td>Operation temperature</td>
<td>41°F to 104°F ((+5°C to +40°C))</td>
</tr>
<tr>
<td>Cabinet</td>
<td>Plastic</td>
</tr>
<tr>
<td>Dimensions (main body only) ([W \times H \times D])</td>
<td>19 11/16” (\times) 7 31/64” (\times) 25 3/32” ((500 \times 190 \times 637 \text{ mm}))</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td>EIP-WX5000: 58.5 lbs. ((26.5 \text{ kg}))</td>
</tr>
<tr>
<td></td>
<td>EIP-WX5000L: 55.2 lbs. ((25.0 \text{ kg}))</td>
</tr>
</tbody>
</table>

As a part of policy of continuous improvement, EIKI reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.
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