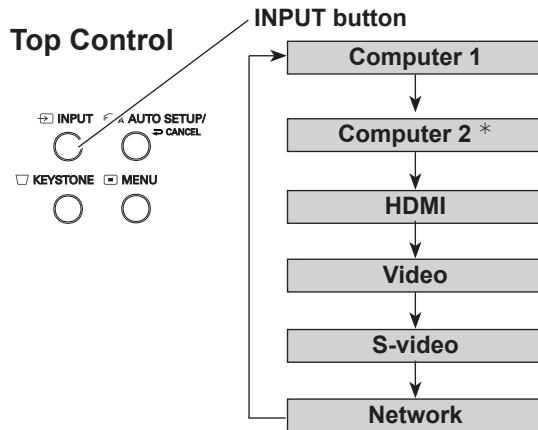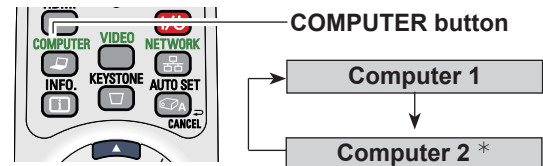# Input Source Selection (Computer 2: RGB)

Direct Operation

Choose **Computer 2** by pressing the INPUT button on the top control or press the COMPUTER button on the remote control.
Before using these buttons, correct input source should be selected through Menu operation as described below.

Top Control   **INPUT button**

Remote Control

COMPUTER button

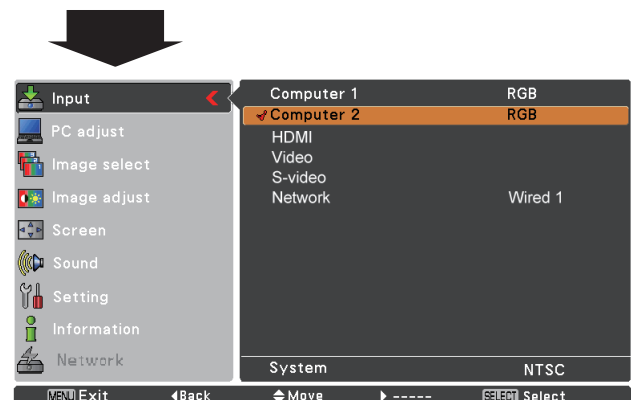| Computer 1 |
| Computer 2 ∗ |
| HDMI |
| Video |
| S-video |
| Network |

| Computer 1 |
| Computer 2 ∗ |

∗ **COMPUTER 2** can not be selected when using the COMPUTER IN 2/ MONITOR OUT terminal as MONITOR OUT output.

Menu Operation

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Input** and then press the Point ► or the SELECT button.

2 Use the Point ▲▼ buttons to select **Computer 2** and then press the SELECT button.

3 When **Computer 2** is selected, analog RGB input source will be selected directly.

Input Menu

Input	›	Computer 1	RGB
PC adjust		Computer 2	RGB
Image select		HDMI	
Image adjust		Video	
Screen		S-video	
Sound		Network	Wired 1
Setting			
Information			
Network		System	NTSC

MENU Exit   ◄ - - - - -   ⬍ Move   ► Next   SELECT Next

Input	‹	Computer 1	RGB
PC adjust		Computer 2	RGB
Image select		HDMI	
Image adjust		Video	
Screen		S-video	
Sound		Network	Wired 1
Setting			
Information			
Network		System	NTSC

MENU Exit   ◄ Back   ⬍ Move   ► - - - - -   SELECT Select

✓**Note:**
When the Input Search function is set to **On1** or **On2**, the input signal will be searched automatically (p.48).

Computer System Selection

This projector automatically tunes to various types of computers based on VGA, SVGA, XGA, SXGA, WXGA, UXGA or WUXGA with its Multi-scan system and Auto PC adjustment. If a computer is selected as a signal source, this projector automatically detects the signal format and tunes to project a proper image without any additional settings. (Signal formats provided in this projector are shown on pages 76-77)

One of the following messages may appear when:

| Auto | The projector cannot recognize the connected signal conforming to the provided PC Systems. **Auto** is displayed on the System Menu box and the Auto PC adjustment function works to display proper images. If the image is not projected properly, a manual adjustment is required (pp.34-35). |

| ----- | There is no signal input from the computer. Check the connection between your computer and the projector. (See "Troubleshooting" on pp.69-72.) |

| Mode 1 | The preset system is manually adjusted in the PC adjust Menu. The adjusted data can be stored in **Mode 1-5** (pp.34-35). |

| SVGA 1 | PC Systems provided in this projector is chosen. The projector chooses a proper system provided in the projector and displays it. |

*__Mode 1__ and __SVGA 1__ are examples.

PC System Menu

The PC System Menu
Selected system is
displayed.

Selecting Computer System Manually
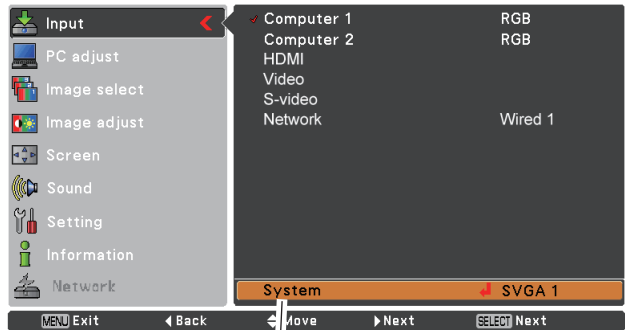
PC system can also be selected manually.

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Input** and then press the Point ► or the SELECT button.

2 Use the Point ▲▼ buttons to select **Systerm** and then press the Point ► or the SELECT button.
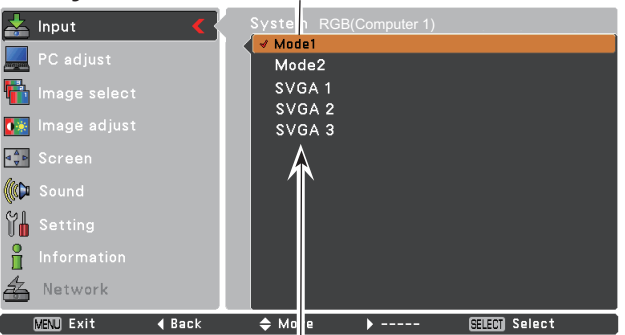
3 Use the Point ▲▼ buttons to select the desired system and then press the SELECT button.

PC System Menu

Customized **Mode (1–5)** set in the PC adjust Menu (pp.34-35).

Systems in this dialog box
can be selected.

Auto PC adjustment

Auto PC adjustment function is provided to automatically adjust **Fine sync**, **Total dots**, **Horizontal**, **Vertical**, **Clamp**, **Display area H** and **Display area V** positions to conform to your computer.

Menu Operation

Auto PC adj.

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **PC adjust** and then press the Point ► or the SELECT button.

**2** Use the Point ▲▼ buttons to select **Auto PC adj.** and then press the SELECT button.

To store adjustment parameters
The adjusted parameters from the Auto PC adjustment can be stored in the projector. Once the parameters are stored, the setting can be done just by selecting a **Mode (1–5)** in the PC System Menu (see page 32). See also **Store** on page 35.

PC adjust Menu
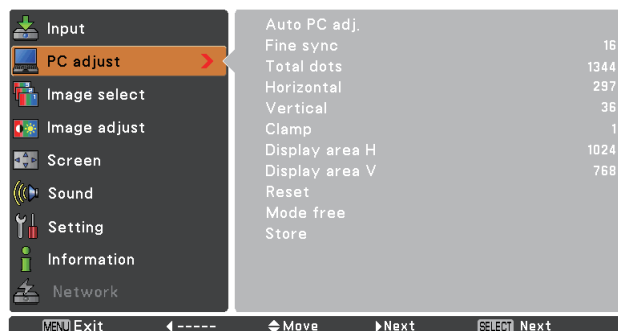
Use Point ▲▼ buttons to select **Auto PC adj.** and press the SELECT button. **Please wait...** appears while the Auto PC adjustment is in process.
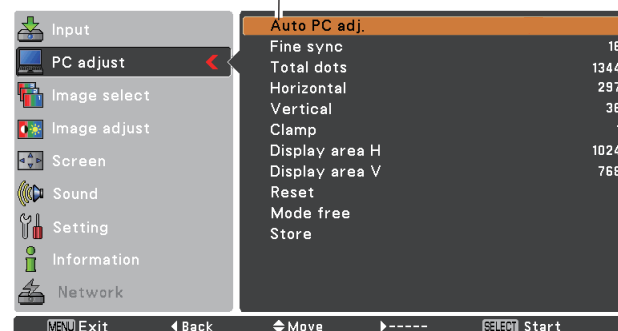
✓**Note:**

• **Fine sync**, **Total dots**, **Horizontal** and **Vertical position** of some computers cannot be fully adjusted with the Auto PC adjustment function. When the image is not provided properly with this operation, manual adjustments are required (pp.34-35).
• The Auto PC adjustment cannot be operated when **480i, 575i, 480p, 575p, 720p, 1035i** or **1080i** is selected in the PC System Menu (p.32), or when the signal is coming from the HDMI terminal.

Manual PC adjustment

Some computers employ special signal formats which may not be tuned by Multi-scan system of this projector. Manual PC adjustment enables you to precisely adjust several parameters to match those signal formats. The projector has five independent memory areas to store those parameters manually adjusted. It allows you to recall the setting for a specific computer.

1   Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **PC adjust** and then press the Point ► or the SELECT button.

2   Use the Point ▲▼ buttons to select the desired item and then press the SELECT button to display the adjustment dialog box. Use the Point ◄► buttons to adjust the setting value.

PC adjust Menu

Fine sync

Use the Point ◄► buttons to adjust the value, eliminating a flicker from the image displayed (from 0 to 31).

Total dots

Use the Point ◄► buttons to adjust the number of total dots in one horizontal period to match your PC image.

Horizontal

Use the Point ◄► buttons to adjust the horizontal picture position.

Vertical

Use the Point ◄► buttons to adjust the vertical picture position.

Clamp

Use the Point ◄► buttons to adjust the clamp level. When the image has dark bars, try this adjustment.
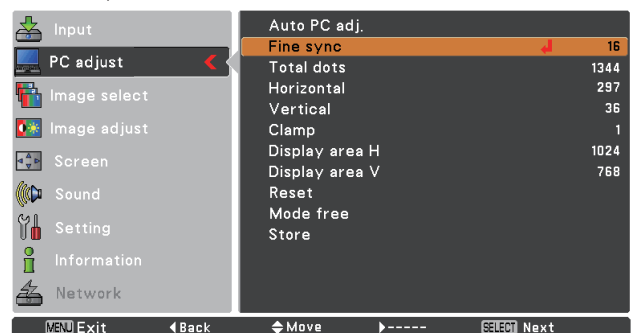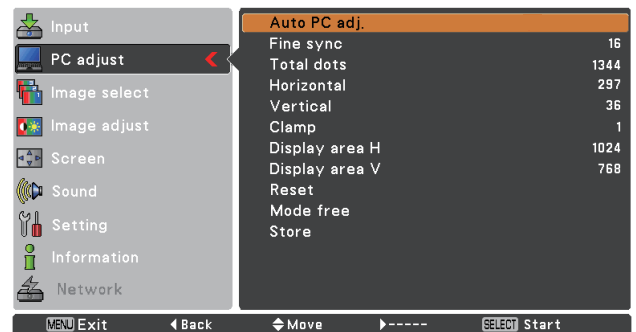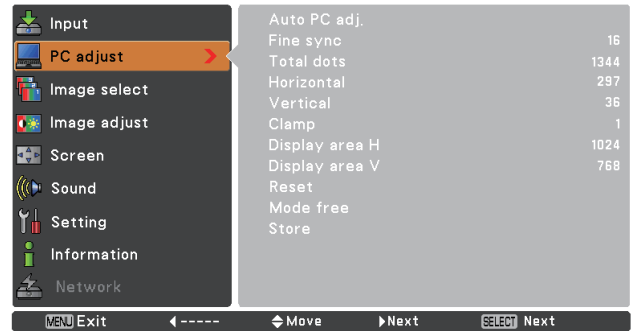
Display area H

Use the Point ◄► buttons to adjust the horizontal area displayed by this projector.

Display area V

Use the Point ◄► buttons to adjust the vertical area displayed by this projector.

Reset

To reset the adjusted data, select **Reset** and press the SELECT button. A confirmation box appears and then select **Yes**. All adjustments will return to their previous figures.

Mode free

To clear the stored data, select **Mode free** and then press the Point ► or the SELECT button. Move the highlight to the mode that you want to clear and then press the SELECT button.
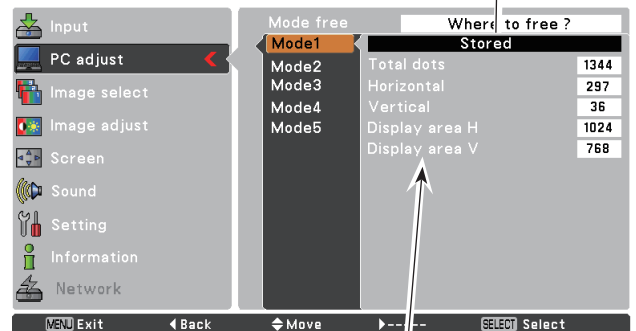
Store

To store the adjusted data, select **Store** and then press the Point ► or the SELECT button. Move the highlight to one of the Modes 1 to 5 in which you want to store, and then press the SELECT button.

Mode free
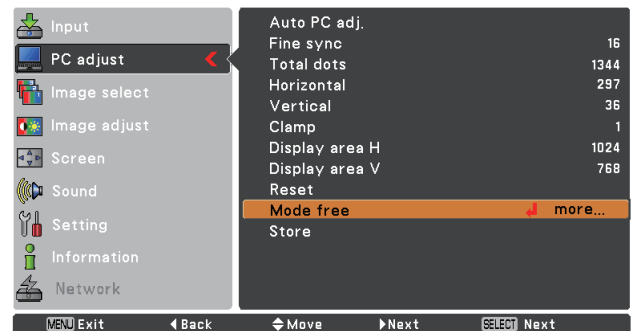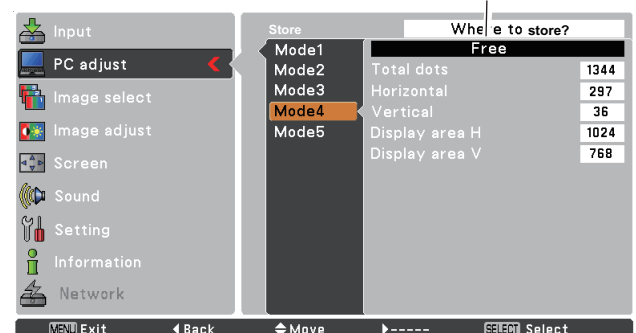
This mode has stored parameters.

Values of **Total dots**, **Horizontal**, **Vertical**, **Display area H** and **Display area V**.

Store

Vacant

Press MENU button to close this dialog box.

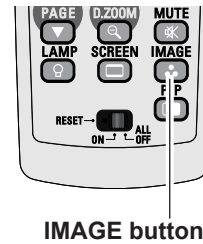Press SELECT button to store adjusted data.

✓**Note:**

• **Display area (H/V)** cannot be selected when **480i, 575i, 480p, 575p, 720p, 1035i** or **1080i** is selected in the PC System Menu (p.32).
• When input computer signal to the projector, **PC adjust** will become available.
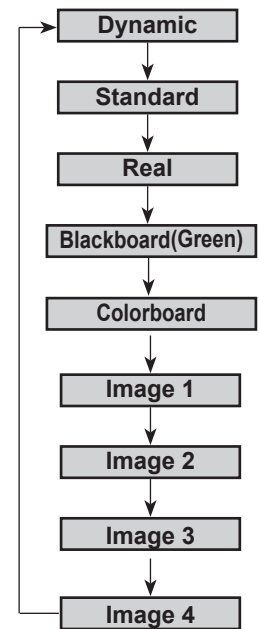
Image Mode Selection

Direct Operation

Remote Control

IMAGE button

Select the desired image mode among **Dynamic**, **Standard**, **Real**, **Blackboard (Green)**, **Colorboard**, **Image 1**, **Image 2**, **Image 3** and **Image 4** by pressing the IMAGE button on the remote control.

IMAGE button

```
Dynamic
   ↓
Standard
   ↓
Real
   ↓
Blackboard(Green)
   ↓
Colorboard
   ↓
Image 1
   ↓
Image 2
   ↓
Image 3
   ↓
Image 4
```

Menu Operation

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Image select** and then press the Point ► or the SELECT button.

2 Use the Point ▲▼ buttons to select the desired item and then press the SELECT button.

Dynamic
For viewing pictures in a bright room.

Standard
Normal picture mode preset on the projector.

Real
Picture mode with improved halftone for graphics.

Blackboard (Green)
For the image projected on a blackboard.
This mode helps enhance the image projected on a blackboard. This is mainly effective on a green colored board, not truly effective on a black colored board.
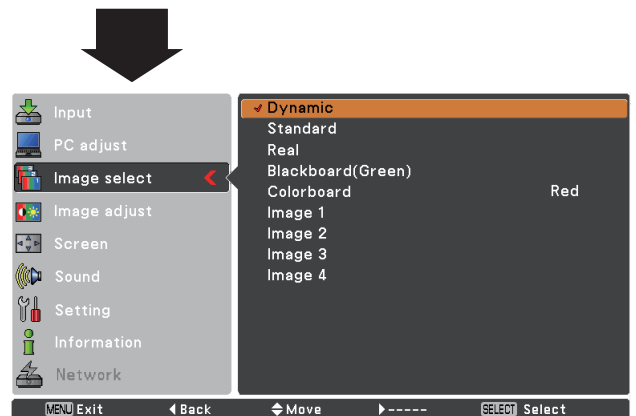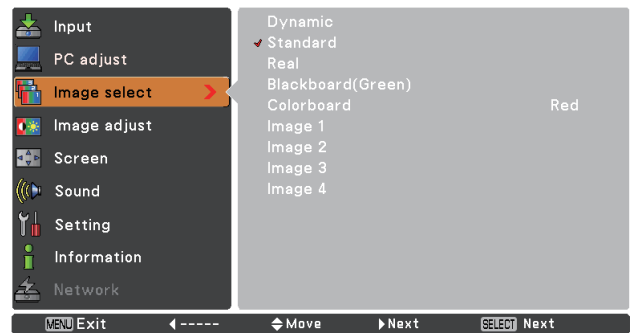
Colorboard
Use the Point ▲▼ buttons to select **Colorboard** and then press the Point ► or the SELECT button. Use the Point ▲▼ buttons to select the desired item and then press the SELECT button.
At the time of simple projection on the colored wall, you can get the close color image to the color image projected on a white screen by selecting the similar color to the wall color from the preset four colors.

Image 1–4
For viewing with the user preset image mode in the Image adjust Menu (see pages 37-38). This Image memory is provided in each computer, component and video input source.

Image Select Menu

Input	Dynamic
PC adjust	✔ Standard
Image select ❯	Real
Image adjust	Blackboard(Green)
Screen	Colorboard Red
Sound	Image 1
Setting	Image 2
Information	Image 3
Network	Image 4

MENU Exit   ◄-----   ⬍Move   ►Next   SELECT Next

Input	✔ Dynamic
PC adjust	Standard
Image select ◄	Real
Image adjust	Blackboard(Green)
Screen	Colorboard Red
Sound	Image 1
Setting	Image 2
Information	Image 3
Network	Image 4

MENU Exit   ◄Back   ⬍Move   ►-----   SELECT Select

Image Adjustment

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Image adjust** and then press the Point ► or the SELECT button.

2 Use the Point ▲▼ buttons select the desired item and then press the SELECT button to display the adjustment dialog box. Use the Point ◄► buttons to adjust the setting value.

Contrast

Press the Point ◄ button to decrease the contrast; press the Point ► button to increase the contrast (from 0 to 63).

Brightness

Press the Point ◄ button to decrease the brightness; press the Point ► button to increase the brightness (from 0 to 63).

Color temp.

Use the Point ◄► buttons to select the desired Color temp. level (XLow, Low, Mid or High).

White balance (Red)

Press the Point ◄ button to lighten red tone; press the Point ► button to deepen red tone (from 0 to 63).

White balance (Green)

Press the Point ◄ button to lighten green tone; press the Point ► button to deepen green tone (from 0 to 63).

White balance (Blue)

Press the Point ◄ button to lighten blue tone; press the Point ► button to deepen blue tone (from 0 to 63).

Sharpness

Press the Point ◄ button to decrease the sharpness of the image; press the Point ► button to increase the sharpness of the image (from 0 to 15).

Gamma

Use the Point ◄► buttons to adjust the gamma value to obtain a better balance of contrast (from 0 to 15).

Reset

To reset the adjusted data, select **Reset** and press the SELECT button. A confirmation box appears and then select **Yes**. All adjustments will return to their previous figures.
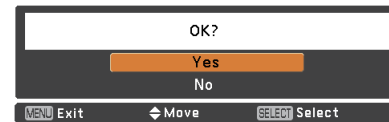
Image Adjust Menu

Selected Image mode

Use the Point ◄► buttons to adjust the setting value.
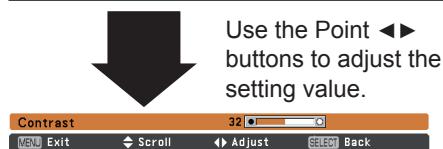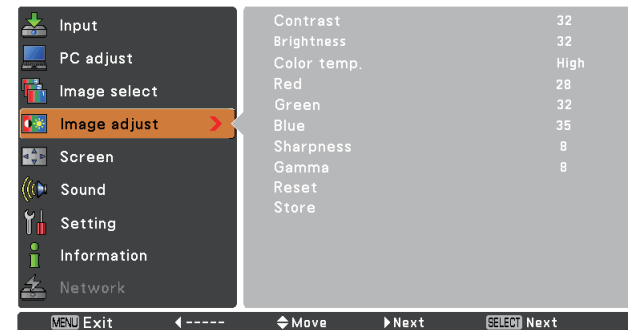
✓**Note:**
• When **White balance Red**, **Green** or **Blue** is adjusted, **Color temp.** will change to **User**.
• When **Blackboard(Green)** or **Colorboard** is selected in Image select, **Color temp.** will change to **Blackboard** or **Colorboard**.

Computer Input

Store

To store the adjusted data, select **Store** and press the Point ► or the SELECT button. Use the Point ▲▼ buttons to select one from Image 1 to 4 and press the SELECT button. A confirmation box appears and then select **Yes**. Stored data can be called up by selecting an **Image (1–4)** in the Image Mode Selection on page 36.

A confirmation box appears and then select **Yes**.

Screen Size Adjustment

This projector has the picture screen resize function, which enables you to customize the image size.

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Screen** and then press the Point ► or the SELECT button.

2 Use the Point ▲▼ buttons select the desired item and then press the SELECT button .
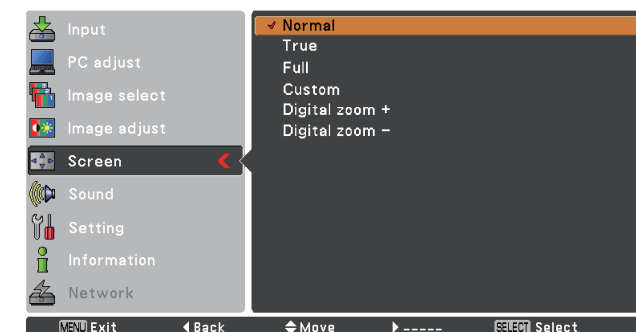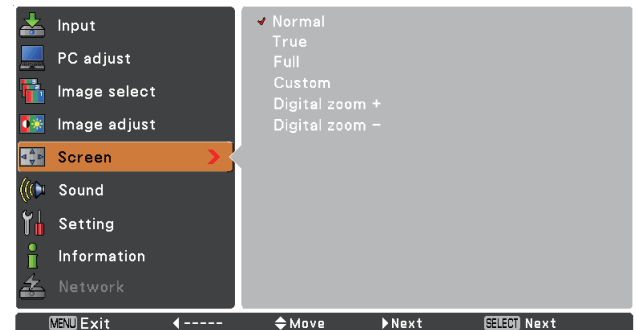
Normal

Provide the image to fit the screen size.

True

Provide the image in its original size. When the original image size is larger than the screen size (1280 x 800), the projector enters to the panning mode automatically. Use the Point ▲▼◄►buttons to pan the image. When adjusted, the arrows will turn red. When reached to the correction limits, the arrows will disappear.

Full

Provide the full screen image.

Screen Menu

✓**Note:**
- The Screen Menu, except for **Normal** and **Custom**, cannot be operated when **720p(HDTV)**, **1035i (HDTV)** or **1080i (HDTV)** is selected in the PC System Menu (p.32).
- This projector cannot display any resolution higher than 1920 x 1200. If your computer's screen resolution is higher than it, reset the resolution to the lower before connecting to the projector.
- The image data in other than 1024 x 768 is modified to fit the screen size in initial mode.
- **True**, **Full** and **Digital zoom +/–** cannot be selected when **480i**, **575i**, **480p** or **575p** is selected in the PC System Menu (p.32).

Custom

Adjust the screen scale and position manually with this function.
Press the Point ►button at **Custom** and the **Custom** is displayed on the screen, you can use the Point ▲▼ buttons to choose the item you want to adjust.

Scale H/V .... Adjust the Horizontal/Vertical screen scale.

H&V .... When set to **On**, the aspect ratio is fixed. **Scale V** appears dimmed and becomes unavailable. Adjust **Scale H**, then the screen scale is automatically modified based on the aspect ratio.

Position H/V ..... Adjust the Horizontal/Vertical screen position.

Common .... Save the adjusted scale to all the inputs. Press the SELECT button at **Common** to display a confirmation box. To save the scale, press the SELECT button at **Yes**. When **Custom** is selected, the saved scale is used.

Reset .... Reset the all adjusted values. Press the SELECT button at **Reset** to display a confirmation box. To reset, press the SELECT button at **Yes**.

For zooming in and out the images

Digital zoom +

Select **Digital zoom +**. The On-Screen Menu disappears and **D. zoom +** appears. Press the SELECT button to expand the image size. Use the Point ▲▼◄► buttons to pan the image. The Panning function can work only when the image is larger than the screen size.
A projected image can be also expanded by pressing the D.ZOOM + button on the remote control.

Digital zoom -

Select **Digital zoom -**. The On-Screen Menu disappears and **D. zoom –** appears. Press the SELECT button to compress image size.
The projected image can be also compressed by pressing the D.ZOOM - button on the remote control.

To exit the Digital zoom +/– mode, press any button except the D.ZOOM +/- buttons, SELECT and Point buttons.

To return to the previous screen size, select a screen size from the Screen Size Adjustment Menu or select an input source from the Input Source Selection Menu (see pages 30-31) again or adjust the screen size with the D.ZOOM +/- buttons.
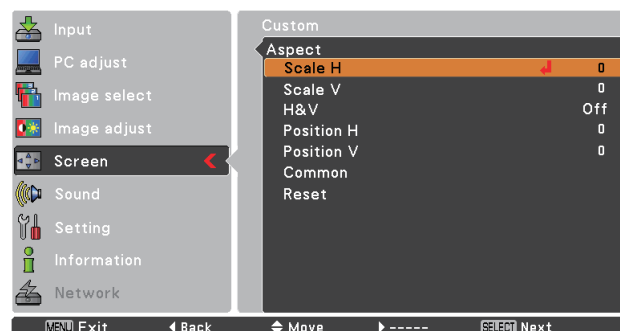
✓**Note:**
 • When no signal is detected, **Normal** is set automatically and the Aspect dialog box disappears.
 • The adjustable range for **Scale H/V** and **Position H/V** is limited depending on the input signal.

Remote Control

POINT buttons

SELECT button

D.ZOOM + button

D.ZOOM - button
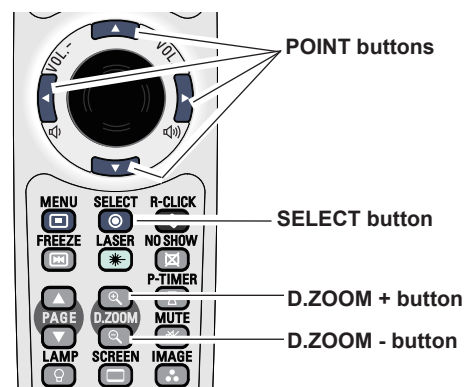
✓**Note:**
 • The panning function may not operate properly if the stored Mode in the PC adjust Menu is used (p.35).
 • The minimum compression ratio is limited depending on the input signal, when the Keystone function is working or when the custom is selected for the screen size.
 • **True**, **Full** and **Digital zoom +/–** cannot be selected when **480i**, **575i**, **480p** or **575p** is selected in the PC System Menu (p.32).
 • **Digital zoom +/-** cannot be selected when **Full** or **True** is selected.
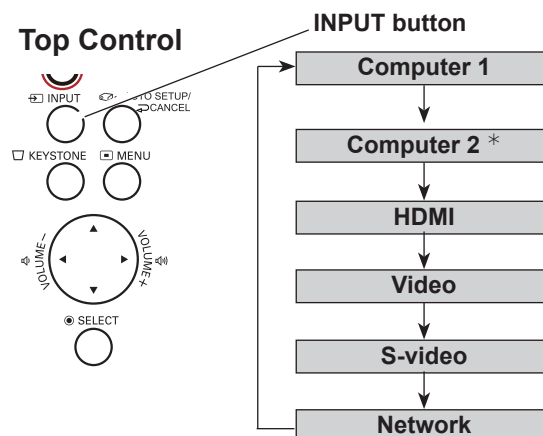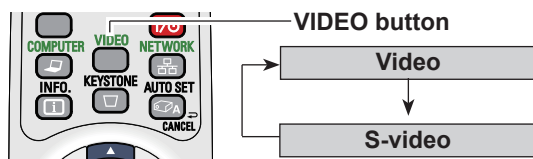 • When **Custom** is selected, the Digital zoom - function is disabled.

Video Input

Input Source Selection (Video, S-video)

Direct Operation

Choose **Video** or **S-video** by pressing the INPUT button on the top control or the VIDEO button on the remote control.

Remote Control

VIDEO button

Video

S-video

Top Control

INPUT button

INPUT   AUTO SETUP/CANCEL

KEYSTONE   MENU

VOLUME–   VOLUME+

SELECT

Computer 1

Computer 2 ✱

HDMI

Video

S-video

Network

✱   **COMPUTER 2** can not be selected when using the COMPUTER IN 2/MONITOR OUT terminal as MONITOR OUT output.
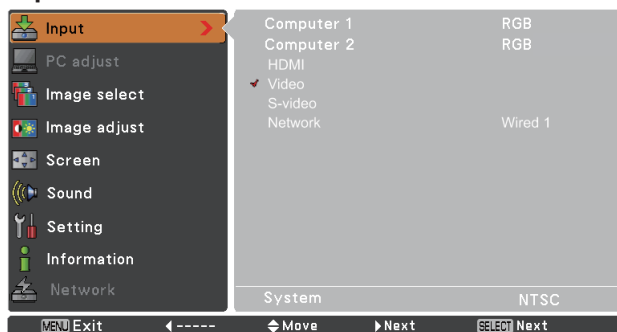
Menu Operation

1   Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Input** and then press the Point ► or the SELECT button.

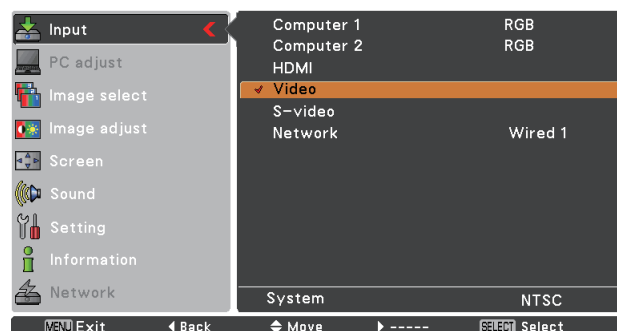**2**   Use the Point ▲▼ buttons to select either **Video** or **S-video** and then press the SELECT button.

Input Menu

Input	❯	Computer 1	RGB
PC adjust		Computer 2	RGB
		HDMI	
Image select		✔ Video	
Image adjust		S-video	
Screen		Network	Wired 1
Sound			
Setting			
Information			
Network		System	NTSC

MENU Exit   ◄-----   ⬍Move   ►Next   SELECT Next

Video

| Video | | When video input signal is connected to the VIDEO jack, select **Video**. |

| S-video | | When video input signal is connected to the S-VIDEO jack, select **S-video**. |

Input	❮	Computer 1	RGB
PC adjust		Computer 2	RGB
		HDMI	
Image select		✔ Video	
Image adjust		S-video	
Screen		Network	Wired 1
Sound			
Setting			
Information			
Network		System	NTSC

MENU Exit   ◄Back   ⬍Move   ►-----   SELECT Select

✓**Note:**
- **Network** is for the Network function. See the owner's manual of "Network Set-up and Operation" .
- When the Input Search function is set to **On1** or **On2** in the Auto setup function, the input signal will be searched automatically (p.48).
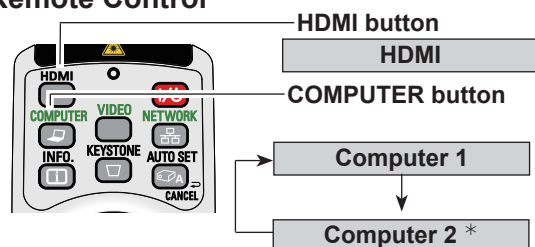
Input Source Selection (Component, RGB Scart 21-pin, HDMI)

Direct Operation
Choose **Computer 1** by pressing the INPUT button on the top control or press the COMPUTER button on the remote control; choose **HDMI** by pressing the INPUT button on the top control or press the HDMI button on the remote control.
Before using these buttons, correct input source should be selected through Menu operation as described below.

Top Control

INPUT button

Remote Control

HDMI button
HDMI

COMPUTER button

Computer 1

Computer 2 ＊

Computer 1

Computer 2 ＊

HDMI

Video

S-video

Network

＊ **COMPUTER 2** can not be selected when using the COMPUTER IN 2/ MONITOR OUT terminal as MONITOR OUT output.

Menu Operation

Input Menu

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Input** and then press the Point ► or the SELECT button.

2 Use the Point ▲▼ buttons to select **Computer 1** and then press the Point ► button; use the Point ▲▼ buttons to select **HDMI**, and then press the SELECT button.

3 When **Computer 1** is selected, use the Point ▲▼ buttons to select **Component** or **RGB(Scart)** and then press the SELECT button.

Component When the input source is coming from video equipment connected to the COMPUTER IN 1/COMPONENT IN terminal with a Component-VGA Cable, select **Component**.

RGB (Scart) When the input source is coming from video equipment connected to the COMPUTER IN 1/COMPONENT IN terminal with a Scart-VGA Cable, select **RGB (Scart)**.
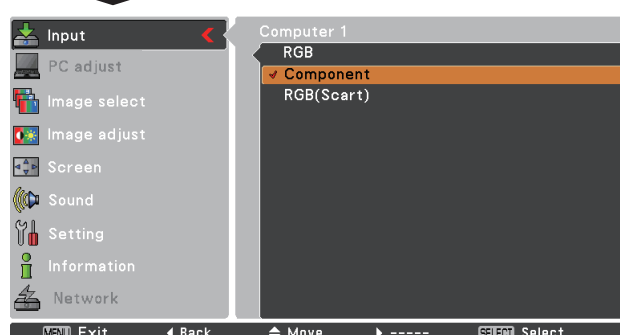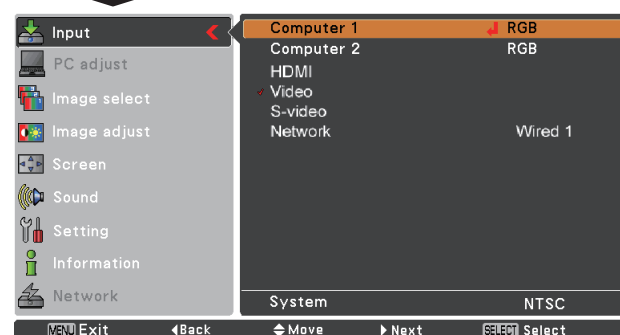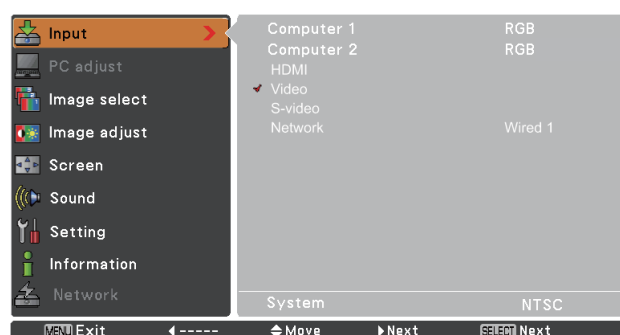
HDMI When the video signal is connected to the HDMI terminal, select **HDMI**.

✓**Note:**
 • **Network** is for the Network function. See the owner's manual of "Network Set-up and Operation" .
 • When the Input Search function is set to **On1** or **On2**, the input signal will be searched automatically (p.48).

41
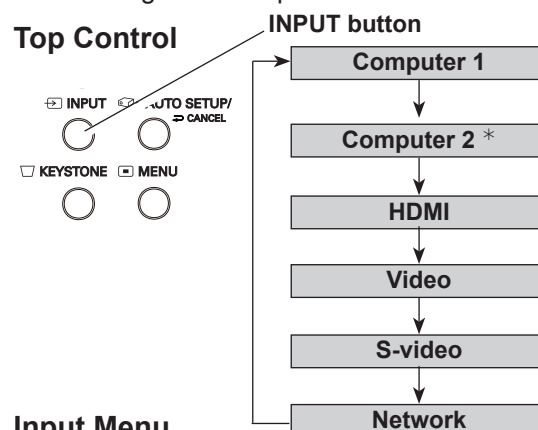
Video System Selection

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Input** and then press the Point ► or the SELECT button.

2 Use the Point ▲▼ buttons to select **Video** , **S-video** or **Computer 1(Component)** and then press the SELECT button.

3 Use the Point ▲▼ buttons to select **System** and then press the Point ► or SELECT button. Use the Point ▲ ▼ buttons to select the desired system and then press SELECT button.
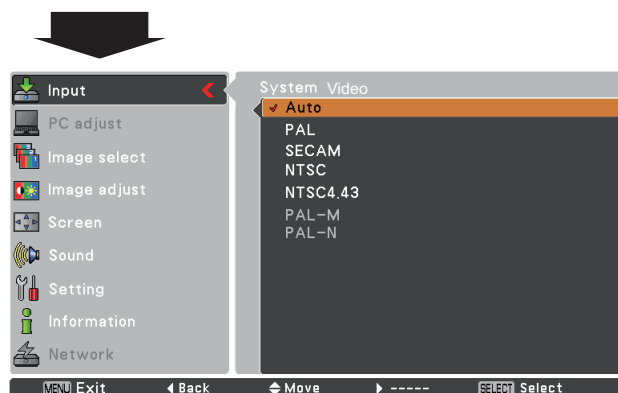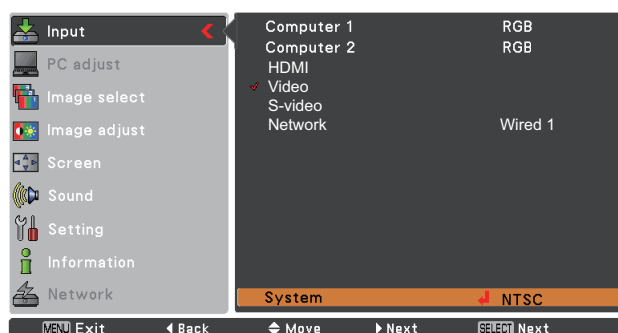
Video or S-video

Auto
The projector automatically detects an incoming video system, and adjusts itself to optimize its performance. When Video System is **PAL-M** or **PAL-N**, select the system manually.

PAL/SECAM/NTSC/NTSC4.43/PAL-M/PAL-N
If the projector cannot reproduce proper video image, select a specific broadcast signal format from among **PAL**, **SECAM, NTSC**, **NTSC 4.43**, **PAL-M** and **PAL-N**.

Component

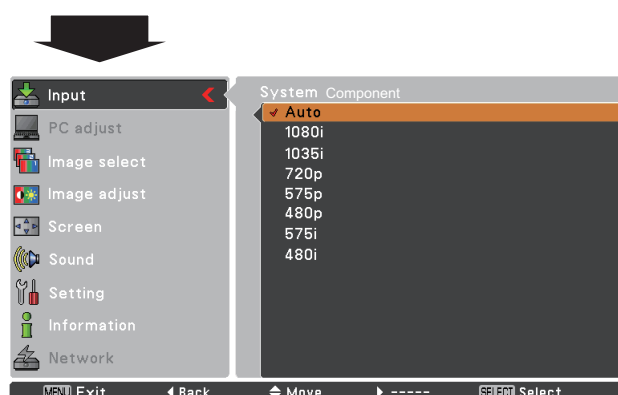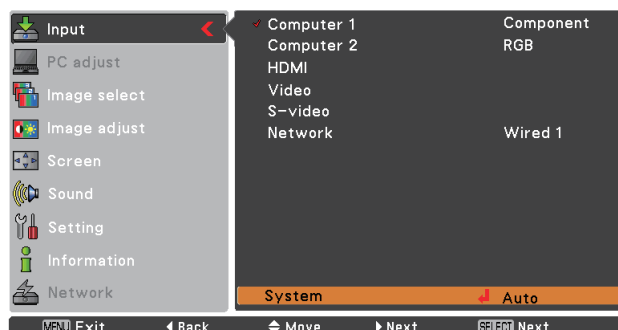**Auto**
The projector automatically detects an incoming video signal, and adjusts itself to optimize its performance.

COMPONENT VIDEO SIGNAL FORMAT
If the projector cannot reproduce proper video image, select a specific component video signal format among **480i**, **575i**, **480p**, **575p**, **720p**, **1035i** and **1080i**.

✓**Note:**
The AV System Menu cannot be selected when selecting **RGB (Scart)**.

AV System Menu (Video or S-video)

Input	
Computer 1	RGB
Computer 2	RGB
HDMI	
Video	
S-video	
Network	Wired 1

System   NTSC

Exit   ◄Back   ♦Move   ►Next   SELECT Next

System Video
✔ Auto
PAL
SECAM
NTSC
NTSC4.43
PAL-M
PAL-N

Exit   ◄Back   ♦Move   ► -----   SELECT Select

AV System Menu (Component)

Input	
Computer 1	Component
Computer 2	RGB
HDMI	
Video	
S-video	
Network	Wired 1

System   Auto

Exit   ◄Back   ♦Move   ►Next   SELECT Next

System Component
✔ Auto
1080i
1035i
720p
575p
480p
575i
480i

Exit   ◄Back   ♦Move   ► -----   SELECT Select

Image Mode Selection

Direct Operation

Select the desired image mode among **Dynamic**, **Standard**, **Cinema**, **Blackboard (Green)**, **Colorboard**, **Image 1**, **Image 2**, **Image 3** and **Image 4** by pressing the IMAGE button on the remote control.
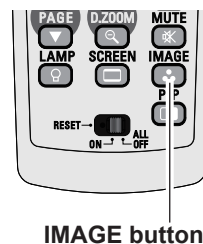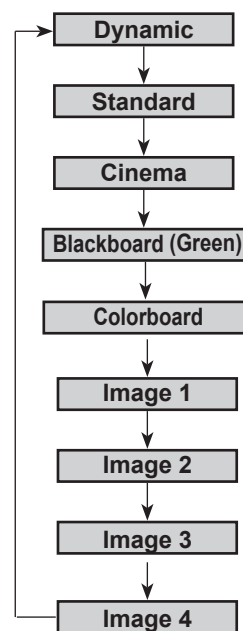
Remote Control

IMAGE button

IMAGE button

Dynamic
↓
Standard
↓
Cinema
↓
Blackboard (Green)
↓
Colorboard
↓
Image 1
↓
Image 2
↓
Image 3
↓
Image 4

Menu Operation

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Image select** and then press the Point ► or the SELECT button.

2 Use the Point ▲▼ buttons to select the desired item and then press the SELECT button.

Dynamic
For viewing pictures in a bright room.

Standard
Normal picture mode preset on the projector.

Cinema
Picture mode adjusted with fine tone.

Blackboard (Green)
For the image projected on a blackboard.
This mode helps enhance the image projected on a blackboard. This is mainly effective on a green colored board, not truly effective on a black colored board.
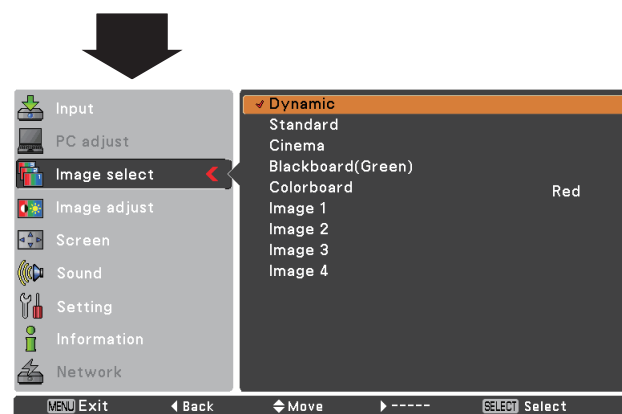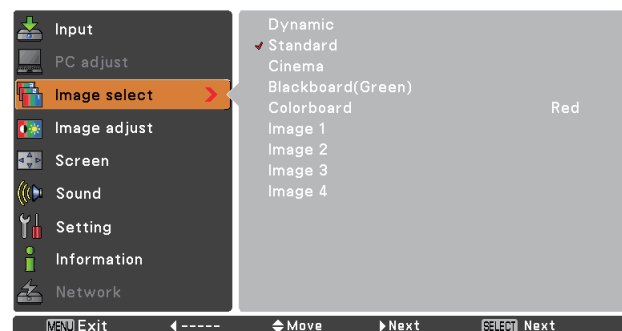
Colorboard
Use the Point ▲▼ buttons to select **Colorboard** and then press the Point ► or the SELECT button. Use the Point ▲▼ buttons to select the desired item and then press the SELECT button.
At the time of simple projection on the colored wall, you can get the close color image to the color image projected on a white screen by selecting the similar color to the wall color from the preset four colors.

Image 1–4
For viewing with the user preset image mode in the Image adjust Menu (see pages 44-45). This Image memory is provided in each computer, component and video input source.

Image Select Menu

Input
PC adjust
Image select ❯
Image adjust
Screen
Sound
Setting
Information
Network

Dynamic
✔ Standard
Cinema
Blackboard(Green)
Colorboard   Red
Image 1
Image 2
Image 3
Image 4

MENU Exit   ◄-----   ⬍Move   ►Next   SELECT Next

Input
PC adjust
Image select ❮
Image adjust
Screen
Sound
Setting
Information
Network

✔ Dynamic
Standard
Cinema
Blackboard(Green)
Colorboard   Red
Image 1
Image 2
Image 3
Image 4

MENU Exit   ◄Back   ⬍Move   ►-----   SELECT Select

Image Adjustment

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Image adjust** and then press the Point ► or the SELECT button.

2 Use the Point ▲▼ buttons select the desired item and then press the SELECT button to display the adjustment dialog box. Use the Point ◄► buttons to adjust the setting value.

Contrast

Press the Point ◄ button to decrease the contrast; press the Point ► button to increase the contrast (from 0 to 63).

Brightness

Press the Point ◄ button to decrease the brightness; press the Point ► button to increase the brightness (from 0 to 63).

Color

Press the Point ◄ button decrease the intensity of the color; press the Point ►button increase the intensity of the color (from 0 to 63).

Tint

Press the Point ◄► buttons to adjust the tint value to get a proper color balance (from 0 to 63).

Color temp.

Use the Point ◄► buttons to select the desired Color temp. level (XLow, Low, Mid or High).

White balance (Red)

Press the Point ◄ button to lighten red tone; press the Point ► button to deepen red tone (from 0 to 63).

White balance (Green)

Press the Point ◄ button to lighten green tone; press the Point ► button to deepen green tone (from 0 to 63).

White balance (Blue)

Press the Point ◄ button to lighten blue tone; press the Point ► button to deepen blue tone (from 0 to 63).

✓**Note:**
- When **White balance Red**, **Green** or **Blue** is adjusted, the Color temp. level will change to **User**.
- **Tint** cannot be selected when the video system is **PAL**, **SECAM**, **PAL-M** or **PAL-N** (p.42).
- When **Blackboard(Green)** or **Colorboard** is selected in Image select, **Color temp.** will change to **Blackboard** or **Colorboard**.

Image adjust Menu
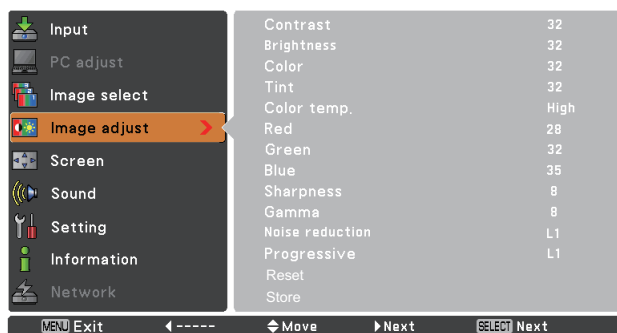
Selected Image mode

Use the Point ◄► buttons to adjust the setting value.

Sharpness

Press the Point ◄ button to decrease the sharpness of the image; press the Point ► button to increase the sharpness of the image (from 0 to 15).

Gamma

Use the Point ◄► buttons to adjust the gamma value to obtain a better balance of contrast (from 0 to 15).

Noise reduction

Noise interference on the screen can be reduced. Select one of the following options to get smoother images.

Off .... Disabled.
L1 .... Lower reduction.
L2 .... Higher reduction.

Progressive

An interlaced video signal can be displayed in progressive mode. Select one of the following options.

Off .... Disabled.
L1 .... For an active picture.
L2 .... For a still picture.
Film .... For watching a film. With this function, the projector reproduces pictures faithful to the original film quality.

Reset

To reset the adjusted data, select **Reset** and press the Point ► or the SELECT button. A confirmation box appears and then select **Yes**. All adjustments will return to their previous figures.

Store

To store the adjusted data, select **Store** and press the SELECT button. Use the Point ▲▼ buttons to select one from Images 1 to 4 and press the SELECT button. A confirmation box appears and then select **Yes**. Stored data can be called up by selecting an **Image (1-4)** in the Image Mode Selection on page 43.

✓**Note:**

Noise reduction and Progressive cannot be selected when **480p**, **575p**, **720p**, **1035i** or **1080i** is selected (p.42).

Store Menu
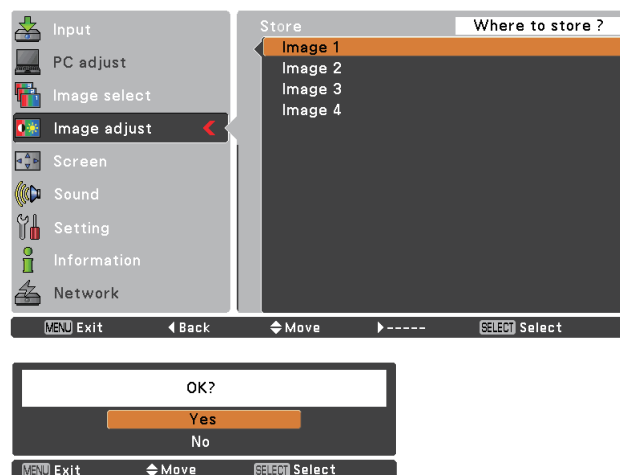
A confirmation box appears and then select **Yes**.

Screen Size Adjustment

This projector has the picture screen resize function, which enables you to customize the image size.

1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Screen** and then press the Point ► or SELECT button

2 Use the Point ▲▼ buttons select the desired item and then press the SELECT button.

Normal
Provide the image to fit the screen size while maintaining the aspect ratio of input signal.

Full
Provide the full screen image.

Zoom
Pan the horizontal direction of the image and cut the vertical direction of the image to fit the screen size (16:9). Only for 4:3 video aspect ratio signals.

Wide
Provide the image at the 16:9 wide screen ratio.

Natural wide
Modify the 4:3 aspect ratio image to fit the screen size(16:9 aspect ratio) by stretching the image to make it look natural.

Custom
Adjust the screen scale and position manually with this function.
Press the Point ► button at **Custom** and the **Custom** is displayed on the screen, you can use the Point ▲▼ buttons to choose the item you want to adjust.

Scale H/V .... Adjust the Horizontal/Vertical screen scale.

H&V .... When set to **On**, the aspect ratio is fixed. **Scale V** appears dimmed and becomes unavailable. Adjust the **Scale H**, then the screen scale is automatically modified based on the aspect ratio.

Position H/V .....Adjust the Horizontal/Vertical screen position.

Common .... Save the adjusted scale to all the inputs. Press the SELECT button at **Common** to display a confirmation box. To save the scale, press the SELECT button at **Yes**, When **Custom** is selected, the saved scale is used.

Reset .... Reset the all adjusted values. Press the SELECT button at **Reset** to display a confirmation box. To reset, press the SELECT button at **Yes**.

Screen Menu
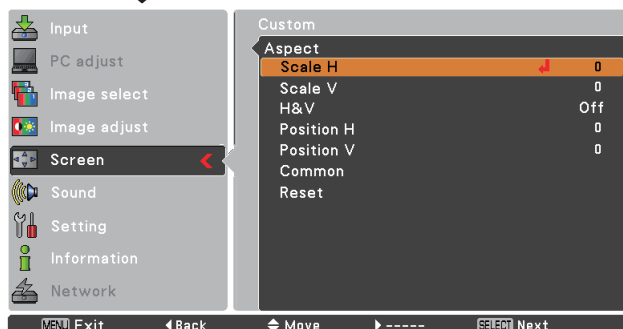
√**Note:**
• When no signal is detected, **Normal** is set automatically and the Aspect dialog box disappears.
• The adjustable range for **Scale H/V** and **Position H/V** is limited depending on the input signal.
• **Wide**, **Zoom** and **Natural wide** cannot be operated when **720p**, **1035i** or **1080i** is selected in the AV System Menu (p.42).

Setting

Setting

This projector has a Setting menu that allows you to set up the other various functions described below.

1 Press the MENU button to display the On-Screen Menu. Press the Point ▲▼ buttons to select **Setting** and press the Point ► or the SELECT button to access the submenu items.

2 Use the Point ▲▼ buttons to select the desired item and then press the Point ► or the SELECT button to access the selected item.

3 Use the Point ▲▼ buttons to select the desired item and then press the SELECT button.

Language

The language used in the On-Screen Menu is available in **English**, **German**, **French**, **Italian**, **Spanish**, **Portuguese**, **Dutch**, **Swedish**, **Finnish**, **Polish**, **Hungarian**, **Romanian**, **Russian**, **Chinese**, **Korean**, **Japanese** and **Thai**.
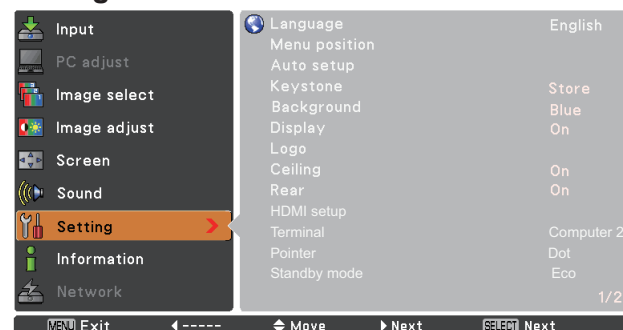
Menu position

This function is used to change the position of the On-Screen Menu. Select **Menu position** and press the Point ► or the SELECT button. The Menu position screen appears.
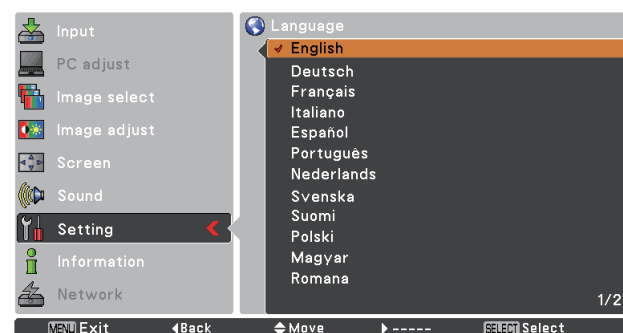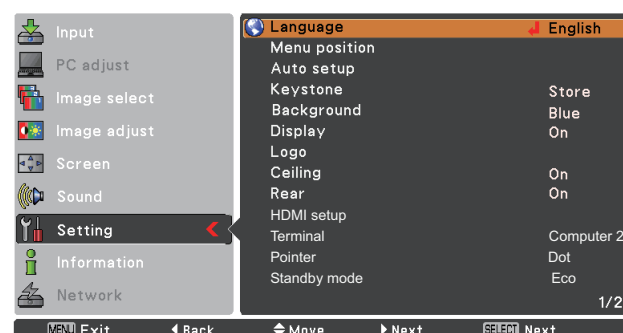
The Menu position changes each time you press SELECT button as follows.
the top left → the top right → the center → the bottom left → the bottom right → the top left →.....

Setting Menu

Language

Auto setup

This function enables Input search, Auto Keystone correction and Auto PC adjustment by pressing the AUTO SETUP/CANCEL button on the top control or the AUTO SET/CANCEL button on the remote control. Settings for those functions can be altered as follows:

Input search

This function detects the input signal automatically. When a signal is found, the search will stop. Use the Point ▲▼ buttons to select one of the following options.

Off ......Input search will not work.

On1 ....Input search works under the following situation.
- –When pressing the AUTO SETUP/CANCEL button on the top control.
- –When pressing the AUTO SET/CANCEL button on the remote control.

On2 ....Input search works under the following situation.
- –When turning on the projector by pressing the ON/STAND-BY button on the top control or the remote control.
- –When pressing the AUTO SET/CANCEL button on the remote control.
- –When pressing the AUTO SETUP/CANCEL button on the top control.
- – When the current input signal is cut off.*

* If the No show or Freeze function is active, cancel it to activate the Input search. It is also unavailable when On-Screen menu is displayed.

Auto PC adj.

On . . . . . . Enables Auto PC adjustment when pressing the AUTO SET/CANCEL button on the remote control or the AUTO SETUP/CANCEL button on the top control.

Off . . . . . . Disables Auto PC adjustment.

Auto Keystone

Auto . . . . Always works and corrects keystone distortion according to the projector's tilt.

Manual . . Works only when pressing the AUTO SETUP/CANCEL button on the top control or the AUTO SET/CANCEL button on the remote control.

Off . . . . . . Disables Auto Keystone.

✓**Note:**

•While **Input search** is set to **On1** or **On2**, the status of Input and Lamp are displayed every time the signal is switched.

•Only the last selected input source can be detected.

•If the INPUT button on the top control or the HDMI, COMPUTER, VIDEO or NETWORK buttons on the remote control is pressed during Input search is in progress, Input search will stop and go back to the previous input signal.

• **Input search, Auto PC adj. and Auto Keystone** cannot be set **Off** at the same time.

Auto setup
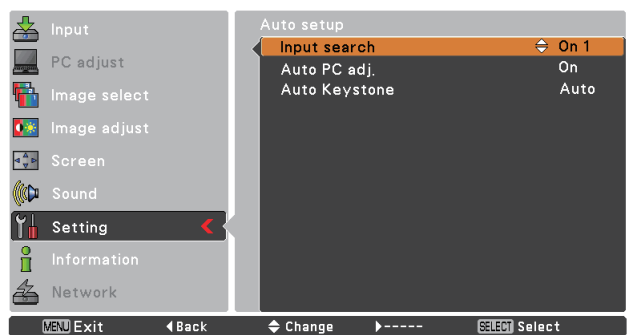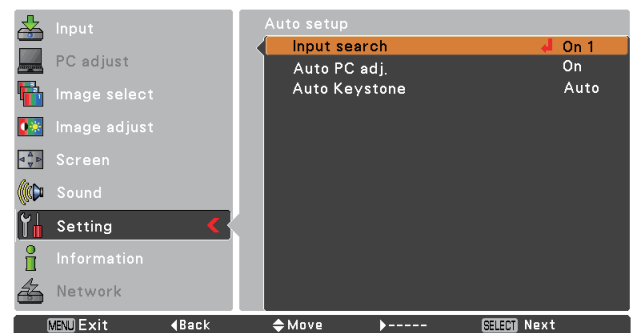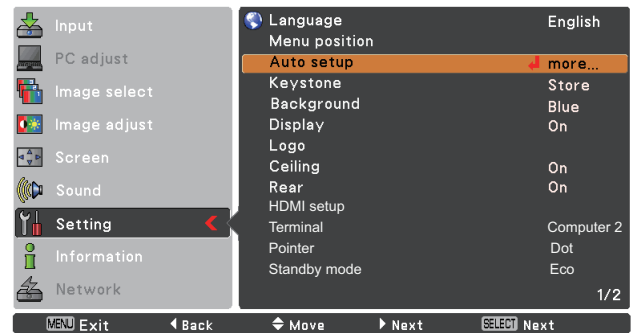
✓**Note:**

• **Auto Keystone** corrects vertical distortion only, not correct horizontal distortion.

• The **Auto Keystone** function cannot work when the **Ceiling** feature is set **On** in the Setting menu (p.53).

• Perfect correction of the image distortion cannot be ensured with the Auto setup function. If the distortion is not corrected properly by pressing the AUTO SETUP/CANCEL button, adjust manually by pressing the KEYSTONE button on the remote control or selecting **Keystone** in the Setting menu (pp.26,49).

• **Fine sync**, **Total dots**, **Horizontal** and **Vertical** position of some computers cannot be fully adjusted with the Auto PC adjustment function. When the image is not provided properly with this operation, manual adjustments are required (pp.34-35).

Keystone

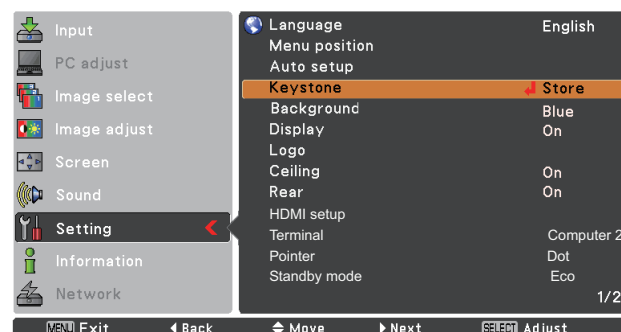This function is used to store or reset the keystone correction when the AC power cord is unplugged.

Store .... Keep the keystone correction even when the AC power cord is unplugged.
Reset....... Release the keystone correction when the AC power cord is unplugged.

To correct keystone distortion, press the SELECT button. **Keystone** appears on the screen. Use the Point ▲▼ buttons to correct keystone distortion (p.26).

Keystone

Input	Language	English
PC adjust	Menu position	
Image select	Auto setup	
	Keystone	Store
Image adjust	Background	Blue
Screen	Display	On
	Logo	
Sound	Ceiling	On
	Rear	On
Setting	HDMI setup	
	Terminal	Computer 2
Information	Pointer	Dot
Network	Standby mode	Eco
		1/2

MENU Exit   ◀Back   ⬍Move   ▶Next   SELECT Adjust

Input	Keystone
PC adjust	✓Store
Image select	Reset
Image adjust	
Screen	
Sound	
Setting	
Information	
Network	

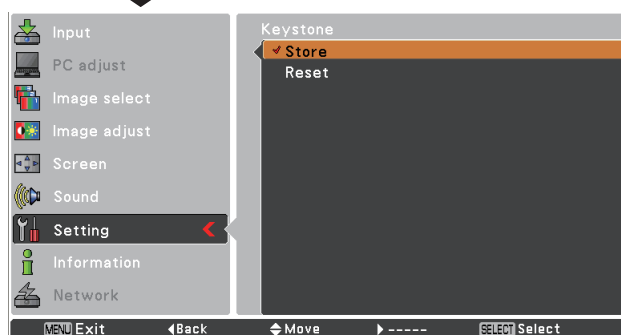MENU Exit   ◀Back   ⬍Move   ▶-----   SELECT Select

Background

Select the background screen for when no input signal is detected. Press the Point ▲▼ buttons to switch between each option.

Blue . . . Blue colored background.
User . . . The image you captured.
Black . . Black colored background.

Display

This function decides whether to display On-Screen Displays.

On .... Show all the On-Screen displays. Use this function when you want to project images after the lamp becomes bright enough. The factory default setting is in this option.
Countdown Off....... Show the input image instead of the countdown when turning on the projector. Use this function when you want to project the image as early as possible even when the lamp is not bright enough.
Off .... Hide the On-Screen Displays except;
   ● On-Screen Menu
   ● **Power off?** (p.23)
   ● **No signal** for Power management (p.56)
   ● **Please wait ...**
   ● Arrows for the True function in the Screen Menu (p.38)
   ● P-Timer

Logo (Logo and Logo PIN code lock settings)

This function allows you to customize the screen logo with **Logo select**, **capture**, **Logo PIN code lock** and **Logo PIN code change** functions.

✓**Note:**

When **On** is selected in the Logo PIN code lock function, **Logo select**, **capture** and **Logo PIN code change** cannot be selected.

Logo select

This function decides on the starting-up display from among following options.

User .... Show the image you captured.
Default .... Show the factory-set logo.
Off .... Show the countdown display only.

Logo select

Capture

This function enables you to capture an image being projected to use it for a starting-up display or interval of presentations.

Select **Capture** and press the SELECT button. A confirmation box appears and select **Yes** to capture the projected image.

After capturing the projected image, go to the Logo select function and set it to **User**. Then the captured image will be displayed the next time you turn on the projector or when you press the NO SHOW button (see page 29).

To cancel the capture function, select **Yes** in the "Quit?" confirmation box.

✓**Note:**
- Before capturing an image, select **Standard** in the Image Select Menu to capture a proper image (pp.36, 43).
- A signal from a computer can be captured up to WXGA (1280 x800). A signal from video equipment can be captured except for 720p, 1035i and 1080i.
- When capturing the image that has been adjusted by the Keystone function, the adjusted data is automatically reset and the projector captures an image without keystone correction.
- When **Logo PIN code lock** is set to **On**, **capture** cannot be selected.
- When starting to capture a new image, the previously stored image is cleared even if you cancel the capturing.
- When there is no captured image or it is interrupted while capturing an image, **User** cannot be selected, you can only switch between **Default** and **Off**.
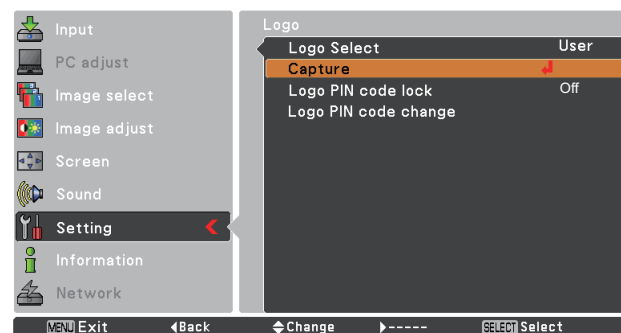
Logo PIN code lock

This function prevents an unauthorized person from changing the screen logo.

Off .... The screen logo can be changed freely from the Logo Menu (p.50).
On .... The screen logo cannot be changed without a Logo PIN code.

If you want to change the **Logo PIN code lock** setting, press the SELECT button and the Logo PIN code dialog box appears. Enter a Logo PIN code by following the steps below. The initial **Logo PIN code** is set to "4321" at the factory.

Capture

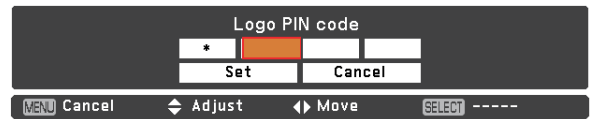**Logo PIN code lock**
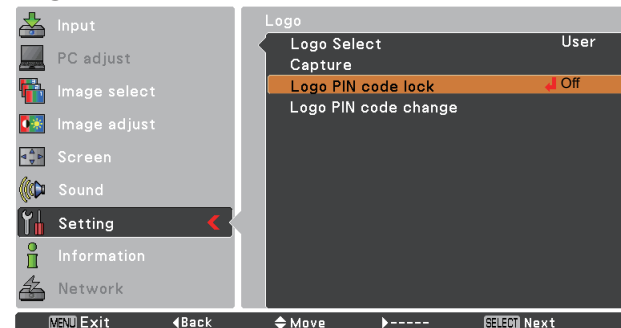
Enter a Logo PIN code

Use the Point ▲▼ buttons to enter a number. Press the Point ► button to fix the number and move the red frame pointer to the next box. The number changes to ✳. If you fixed an incorrect number, use the Point ◄ button to move the pointer to the number you want to correct, and then enter the correct number.

Repeat this step to complete entering a four-digit number.

After entering the four-digit number, move the pointer to **Set**. Press the SELECT button so that you can start to operate the projector.

If you entered an incorrect Logo PIN code, **Logo PIN code** and the number (✳✳✳✳) will turn red for a moment. Enter the correct Logo PIN code all over again.

Change the Logo PIN code lock setting

Use the Point ▲▼ buttons to switch **On** or **Off**, and then press the SELECT button to close the dialog box.
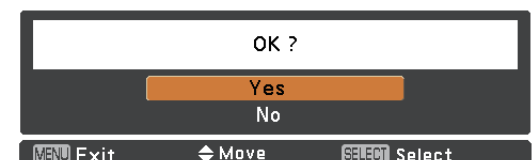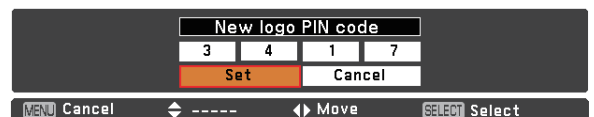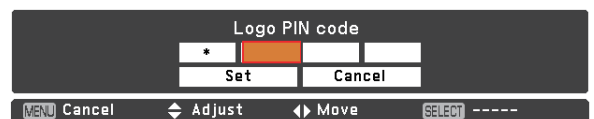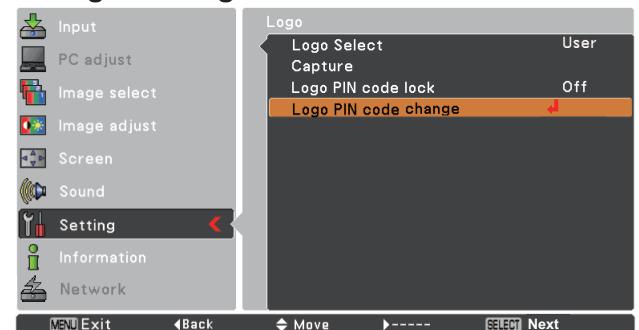
Logo PIN code change

Logo PIN code can be changed to your desired four-digit number. Press the Point ▼ button to select **Logo PIN code change** and then press the SELECT button. The New Logo PIN code input dialog box appears. Set a new Logo PIN code.

Be sure to note the new Logo PIN code and keep it on hand. If you lost the number, you could no longer change the Logo PIN code setting. For details on PIN code setting, refer to "PIN code lock" on pages 59-60.

CAUTION:
WHEN YOU HAVE CHANGED THE LOGO PIN CODE, WRITE DOWN THE NEW PIN CODE IN COLUMN OF THE LOGO PIN CODE NO. MEMO ON PAGE 83, AND KEEP IT SECURELY. SHOULD THE LOGO PIN CODE BE LOST OR FORGOTTEN, THE LOGO PIN CODE SETTING CAN NO LONGER BE CHANGED.
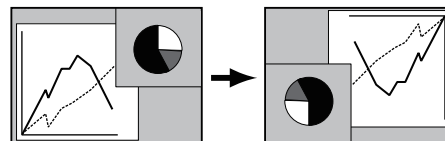
Enter a Logo PIN code

After a correct Logo PIN code is entered, the following dialog box appears.

Change the Logo PIN code lock setting

Change the Logo PIN code

Ceiling

When this function is set to **On**, the picture will be top/bottom and left/right reversed. This function is used to project the image from a ceiling-mounted projector.
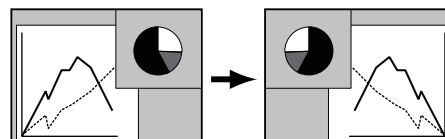
Rear

When this function is set to **On**, the picture will be left/right reversed. This function is used to project the image from rear of the screen.

HDMI setup

This function is only used for HDMI input source.

Image

Normal:	When the output of Digital R/G/B equipment is set to **Standard**.	
Enhanced:	When the output of Digital R/G/B equipment is set to **Enhanced**.	

Sound

HDMI:	When Digital input source is input, **Sound** is set to **HDMI**.	
Computer 2:	When DVI input source is changed to HDMI input source, **Sound** is set to **Computer 2**.	
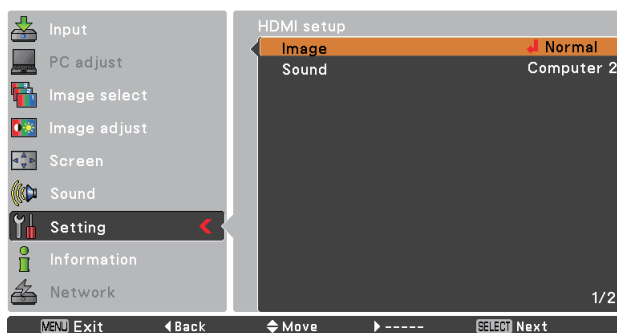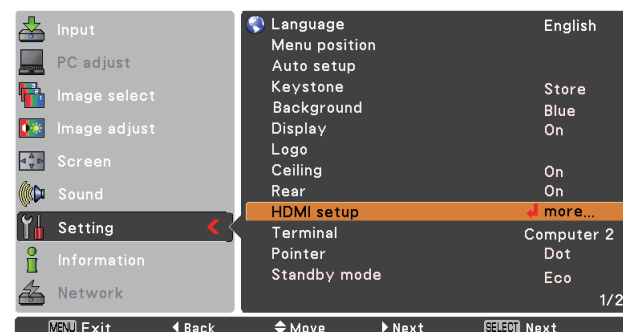
The names for the output setting of Digital R/G/B vary from equipment to equipment. For details, refer to the owner's manual of your Digital R/G/B equipment.
When the black parts of the image are destroyed or stand out, please switch to **Normal** or **Enhanced**, and then switch the output type of the HDMI Digital R/G/B output equipment.

Terminal

The COMPUTER IN 2/MONITOR OUT terminal on the back of the projector is switchable for computer 2 input or monitor output. (See page 10)

|		
Computer 2 . . .	Computer input	
Monitor out . . .	Monitor out	

Terminal function is not available when selecting **Computer 2** to the input source. Change the input source to the others (**HDMI** or **Computer 1** or **Video**) so that the Terminal function will be available. (pp.30-31, 40-41)

Ceiling

Rear

HDMI setup

Pointer

You can emphasize a part of the projected image with this function. Use the Point ▲▼ buttons to choose **Spotlight** (**Large**, **Middle** or **Small**) , **Arrow**, **Finger** or **Dot** and press the SELECT button. See "Pointer Function" on page 14.

Pointer
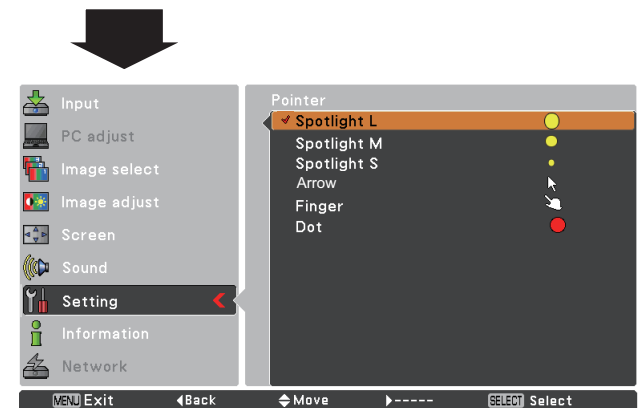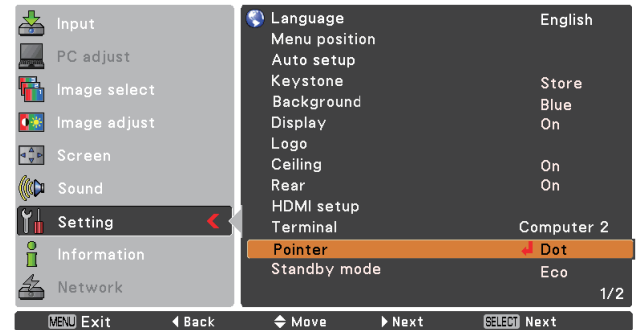
Standby mode

This function is available when operating the projector via network.

Normal ...... Supply the power to the network function even after turning off the projector. You can turn on/off the projector via network, modify network environment, and receive an e-mail about projector status while the projector is powered off.

Eco .... Select **Eco** when you do not use the projector via network. The projector's network function will stop when turning off the projector.

Refer to the owner's manual of "Network Set-up and Operation".

✓**Note:**
• Factory default is **Eco**.
• When selecting **Normal**, the cooling fans may be running depending on the temperature inside the projector even if the projector is turned off.

Picture in Picture

This function is used to project two videos simultaneously by placing a separate small sub screen within the main screen. (Picture in Picture combinations provided in this projector are shown on pages 78.)
Only the sound on the main picture is heard, the sound on the sub picture cannot be heard.(In **P in P**, the big picture is main picture, and the small one is sub picture; in **P by P**, the left picture is main picture, and the right one is sub picture.)

    Mode. . . . . **P in P** : The sub picture in the main picture.
           P by P: The sub picture by the main picture.
           Off   : Exit the Picture in Picture menu.

    Subpicture size. . . Select the subpicture display size.
                Subpicture can be changed
                between **Large**, **Small** and **Middle**.

    Subpicture position. . Set a position for subpicture.This
                 function is used to set **Subpicture**
                 position as follows:
                 the top left→ the bottom left →
                 the bottom right→ the top right→···

Selecting the Main picture or Sub picture
During Picture in Picture mode, and no operation on the On Screen Menu, press the SELECT button to select main or sub picture. (When the sub picture is selected, a red frame will be displayed.)

Switching of the Input Source
In the main picture or the sub picture mode, choose input soure by pressing the INPUT button on the top control or pressing the COMPUTER、VIDEO、HDMI or NETWORK button on the remote control or through Input Menu operation.

Operation of the Sub picture
In Picture in Picture mode, press the SELECT button to select the sub picture (the frame becomes to red), and then use the Point ▲▼◄► buttons to change Subpicture size, swicth the Main picture and the Sub picture, and move Subpicture position.
  • In Picture in Picture mode, press the Point ▲ button to
    switch the Main picture and the Sub picture.
  • In P in P, press the Point ▼ button to change Subpicture
    size.
  • In P in P, press the Point ◄► buttons to move
    Subpicture position.

  ✓**Note:**
  • When the input signal(s) is/are incompatible, **X** mark will
    be displayed on the Main/Sub picture.
  • When the sub picture is set to the same signal as the main
    picture, **X** mark will be displayed.
  • **Subpicture position** and **Subpicture size** are only used
    for **P in P**.

Picture in Picture
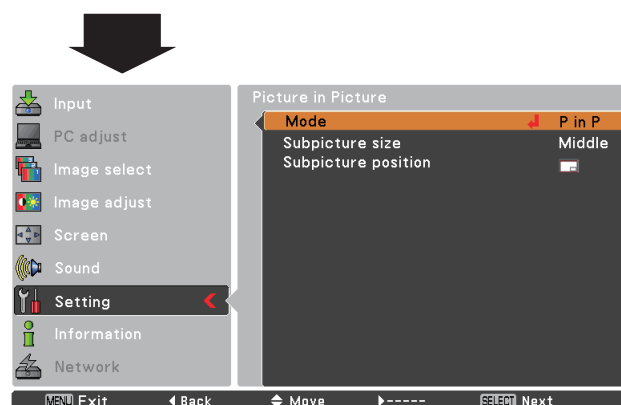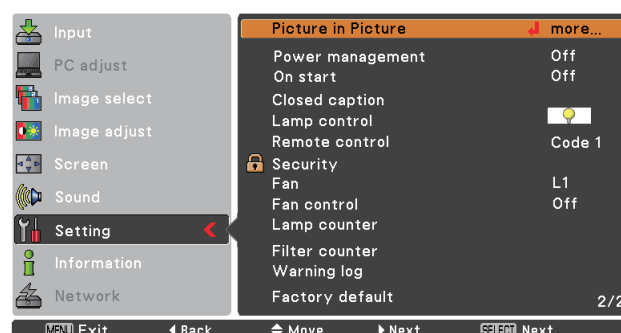
✓**Note:**
• When **P in P** or **P by P** is set, **Total dots** is
  disabled in the PC adjust menu.
• In Picture in Picture mode, the Freeze function
  is disabled.
• During Picture in Picture mode and the Menu
  screen is displayed, via the remote control
  operation, these functions are disabled as
  below:
  • Change Subpicture size.
  • Move Subpicture position.
  • Swicthing of the Main picture and Sub picture.
  • Select the Sub picture mode by the SELECT
    button.

Power management

For reducing power consumption as well as maintaining the lamp life, the Power management function turns off the projection lamp when the projector is not operated for a certain period.

Select one of the following options:

Ready.................. When the lamp has been fully cooled down, the POWER indicator changes to green blinking. In this condition, the projection lamp will be turned on if the input signal is reconnected or any button on the top control or remote control is pressed.

Shut down .... When the lamp has been fully cooled down, the power will be turned off.

Off .... Power management function is off.

Timer................... If the input signal is interrupted and no button is pressed for more than 30 seconds, the timer display with **No signal** appears. It starts the countdown until the lamp is turned off. Use the Point ▲▼ buttons to set the Timer(1~30min).

✓**Note:**

  Factory default is **Ready: 5 min**.

Power management

Timer left before Lamp is **off**.
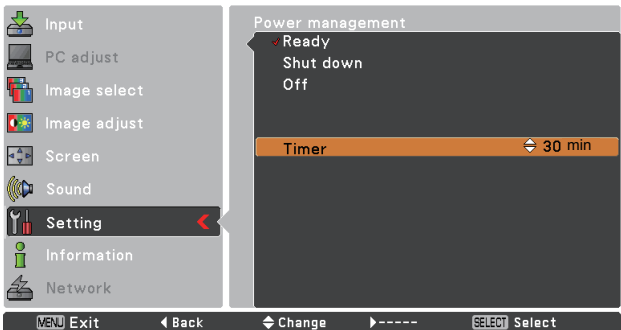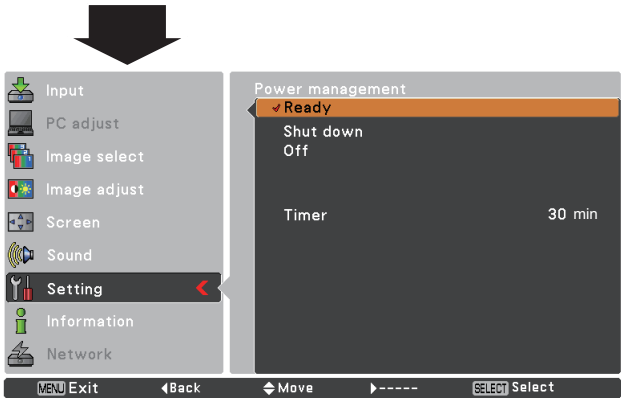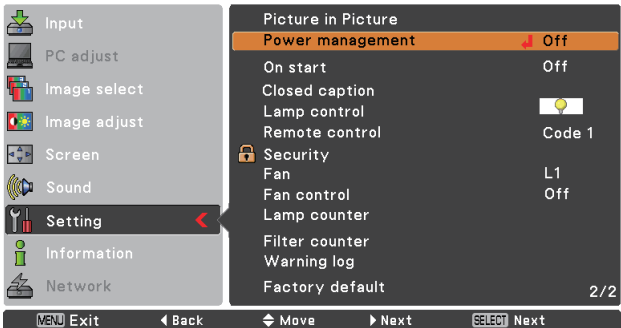
On start

When this function is set to **On**, the projector will be automatically turned on just by connecting the AC power cord to a wall outlet.

✓**Note:**

Be sure to turn off the projector properly (see "Turning Off the Projector" on page 23). If the projector is turned off in the incorrect sequence, the On start function does not work properly.

Closed caption

Closed caption is a printed version of the program sound or other information displayed on the screen. If the input signal contains closed captions, you can turn on the feature and switch the channels. Press the Point ▲▼ buttons to select **Off**, **CC1**, **CC2**, **CC3** or **CC4**.
If the closed caption is not clear, you can change the text from **Color** to **White**.

Closed Caption

✓**Note:**

The Closed Caption is available only under the situation below.

• When the input signal is **NTSC** of composite and S-video, and the system is set according to the signal or set on **Auto**.

• The system must be set on **NTSC** or **Auto** in Video System Selection. (p.42)

• The icon of Closed caption is displayed in gray while it is not available.

• The Closed caption is unavailable when On-Screen menu and P-Timer are displayed, and Picture in Picture is active.
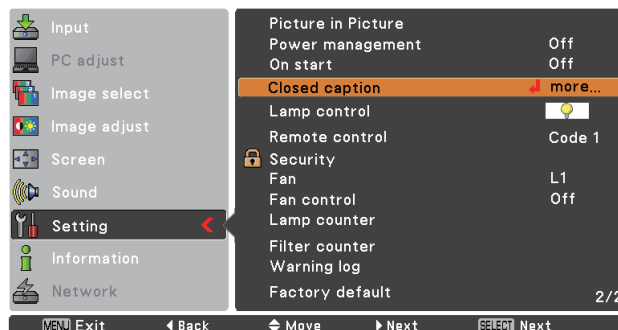
Press the Point ▲▼ buttons to select **Off**, **CC1**, **CC2**, **CC3** or **CC4**, and then Press the SELECT button.

Setting

Lamp control

This function allows you to change brightness of the screen.

- Auto .... The brightness according to the input signal (between High and Eco mode).
- High .... Brighter than the Normal mode.
- Normal .... Normal brightness
- Eco .... Lower brightness reduces the lamp power consumption and extends the lamp life.

✓**Note:**

Lamp mode cannot be changed for a while after turning on the projector. Lamp needs some time to stabilize after the power is turned on. Stored lamp mode will be active after the lamp is stabilized.

Remote control

The eight different remote control codes (**Code 1**-**Code 8**) are assigned to the projector; the factory-set, initial code (**Code 1**) and the other seven codes (**Code 2** to **Code 8**). The same code should set on both the projector and the remote control. For example, operating the projector in **Code 7**, the remote control code also must be switched to **Code 7**.

<u>To change the code for the projector</u>
Select a remote control code in this Setting Menu.

<u>To change the code for the remote control:</u>
While holding down the MENU button, press the IMAGE button the number of times corresponding to the remote control code for the projector. See "Remote Control Code" on page 13.

✓**Note:**
- When different codes are set on the projector and on the remote control, any operation cannot be made. In that case, switch the code on the remote control to fit the code on the projector.
- If the batteries are removed from the remote control for a long period of time, the remote control code will be reset.

Remote control