Auto PC Adjustment

Auto PC Adjustment function is provided to automatically adjust **Fine sync**, **Total dots**, **Horizontal position** and **Vertical position** to conform to your computer.
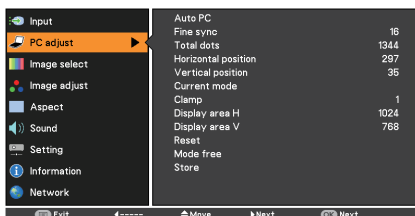
Menu Operation

Auto PC

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

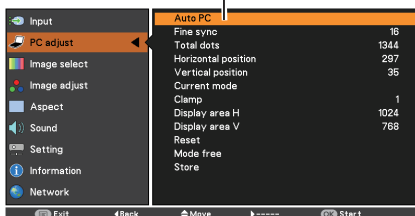**2** Use the Point ▲▼ buttons to select **Auto PC** and then press the OK button.

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 (1–10)** in the PC System Menu (p.30). See also "Store" on page 33.

PC adjust Menu

Use Point ▲▼ buttons to select **Auto PC** and press the OK button. **Please wait...** appears while the Auto PC adjustment is in process.

✓**Note:**
 • **Fine sync**, **Total dots**, **Horizontal position** 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. 32-33).
 • The Auto PC Adjustment cannot be operated when **480i**, **575i**, **480p**, **575p**, **720p**, **1035i** or **1080i** is selected in the PC System Menu (p. 30), or when the signal is coming from the HDMI terminal.

Computer Input

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 10 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 ► button or the OK button.

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

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 position

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

Vertical position

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

Current mode

Press the OK button to show **H-sync freq.** and **V-sync freq.** of the connected computer.

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.

PC adjust Menu

Reset

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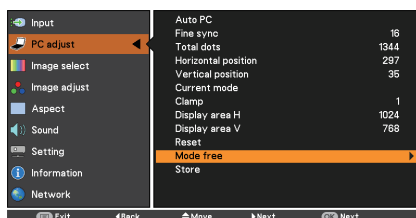
Mode free

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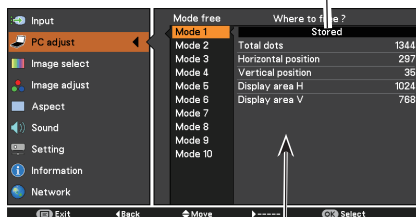
Store

To store the adjusted data, select **Store** and then press the Point ► button or the OK button. Move the highlight to one of the Mode 1 to 10 in which you want to store, and then press the OK button.

Mode free

This Mode has stored parameters.

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

Vacant

Store

Press the MENU button to close this dialog box.

Press the OK button to store the 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.30).
 • When input computer signal to the projector, **PC adjust** will become available.

Computer Input

Image Mode Selection

Direct Operation

Select the desired image mode among **Presentation**, **Standard**, **High contrast**, **Cinema**, **Blackboard (Green)**, **Colorboard**, **User 1**, **User 2**, **User 3** and **User 4** by pressing the IMAGE button on the remote controller.
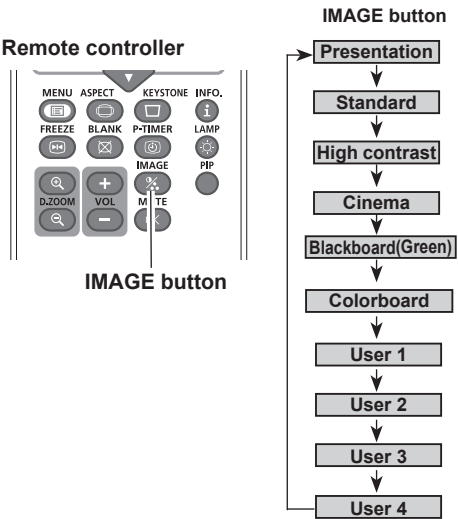
IMAGE button

Remote controller

IMAGE button

Presentation
↓
Standard
↓
High contrast
↓
Cinema
↓
Blackboard(Green)
↓
Colorboard
↓
User 1
↓
User 2
↓
User 3
↓
User 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 ► button or the OK button.

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

Presentation

For viewing pictures in a bright room.

Standard

Normal picture mode preset on the projector.

High contrast

Picture mode with improved halftone for graphics.

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.
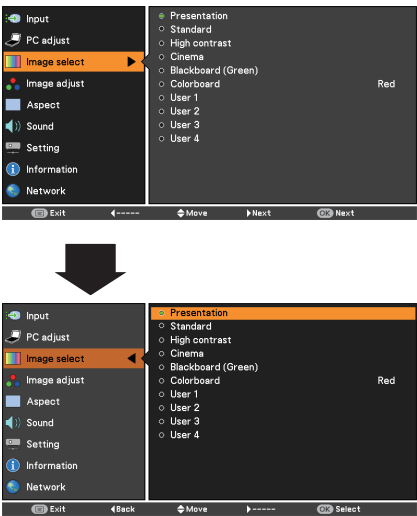
Colorboard

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.

User 1-4

For viewing with the user preset image mode in the Image Adjust Menu (see page 35).

Image select Menu

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 ► button or the OK button.

2 Use the Point ▲ ▼ buttons to select the desired item and then press the OK 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 / Green / Blue)

Press the Point ◄ button to lighten R/G/B tone, press the Point ► button to deepen R/G/B 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).
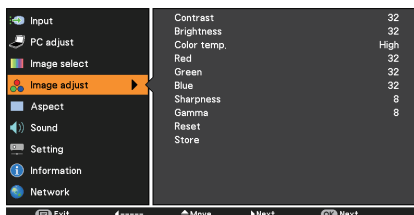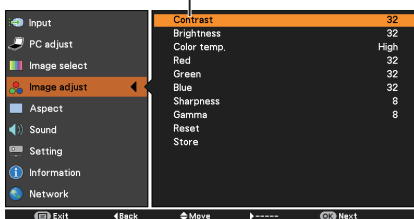
Gamma

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 OK 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 Point ► or the OK button. Use the Point ▲ ▼ buttons to select one from **User 1** to **User 4** and press the OK button. A confirmation box appears and then select **Yes**. Stored data can be called up by selecting an **User (1-4)** in the Image Mode Selection on page 34.

Image Adjust Menu

Selected Image mode

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

Store

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

✓**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

Aspect Setting

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 **Aspect** and then press the Point ► button or the OK button.

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

Normal

Provide the image to fit the screen size.

Full

Provide the full screen image.

16:9

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

Zoom

Scale the image proportionally to fit the entire screen. Either side of image may go over the screen.

True

Provide the image in its original size. When the original image size is larger or smaller 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 blue. When reached to the correction limits, the arrows will disappear.

Custom

Provide the last stored aspect screen image.

Custom adj.

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

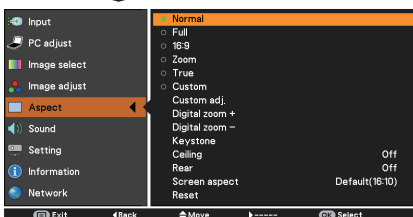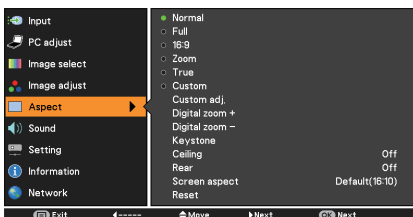**Scale H/V** ...... Adjust the Horizontal/Vertical screen scale.
H&V .... When set to **On**, the aspect ratio is fixed. The **Scale V** appears dimmed and becomes unavailable. Adjust **Scale H**, then the screen scale is automatically modified based on the aspect ratio.
Position H/V.. Adjust the Horizontal/Vertical screen position.
Common .... Save the adjusted scale or position to all the inputs. Press the OK button at **Common** to display a confirmation box. To save the scale or position, press the OK button at **Yes**. When **Custom** is selected, the saved scale or position is used.
Reset .... Reset the all adjusted values. Press the OK button at **Reset** to display a confirmation box. To reset, press the OK button at **Yes**.
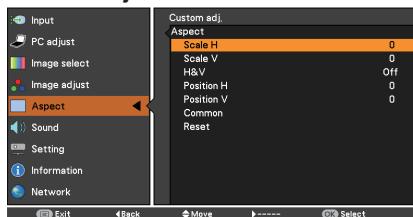
Aspect Menu

✓**Note:**
- 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 1280 x 800 is modified to fit the screen size in initial mode.
- **True** and **Digital zoom +/–** are disabled and cannot be displayed when **480i**, **575i**, **480p**, **575p, 720p**, **1035i** or **1080i** is selected in the PC System Menu (p. 30).
- When **True** is selected in the Screen menu, **Digital zoom +/-** can not be selected.

Custom adj.

✓**Note:**
- When no signal is detected, **Normal** is set automatically .
- The adjustable range for **Scale H/V** and **Position H/V** is limited depending on the input signal.

Digital zoom +

Select **Digital zoom +**. The On-Screen Menu disappears and **D. zoom +** appears. Press the OK 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 **+** or the OK button.

Digital zoom –

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

To exit the Digital zoom +/– mode, press any button except the D.ZOOM **+/–**, OK 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 page 29) again, or adjust the screen size with the D.ZOOM **+/–** buttons.

Keystone

This function is used to adjust keystone distortion of the projected image. Use the Point ▲▼ buttons to choose the item you want to adjust.

Keystone

To correct keystone distortion, press the OK button.
Keystone appears on the screen. Use the Point ▲▼ buttons to correct keystone distortion (p.25).

Store

To store or reset the keystone correction, press the Point ► button.

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.

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.

Screen aspect

This function is used to project the image to a 4:3 or 16:9 projection screen.

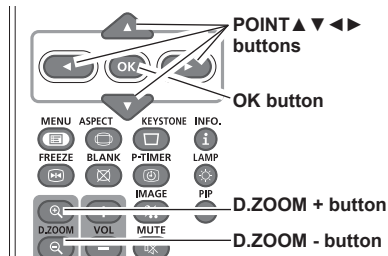**Default (16:10)** ....16:10 is the aspect of the LCD panel. The original Screen Menu is available.

16:9 ..... Set to a 16:9 projection screen.
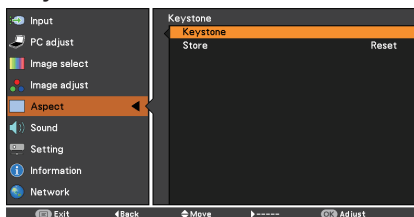
4:3 ......Set to a 4:3 projection screen.

Reset

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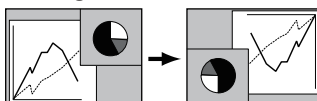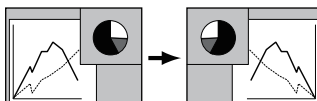
Remote controller

POINT▲ ▼◄►
buttons

OK button

D.ZOOM + button

D.ZOOM - button

Keystone

Ceiling

Rear

✓**Note:**

• 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** and **Digital zoom +/–** are disabled and cannot be displayed when **480i**, **575i**, **480p 575p, 720p**,**1035i** or **1080i** is selected in the PC System Menu (p.30).

• **Digital zoom +/-** cannot be selected when **True** is selected.

• The minimum compression ratio is limited at Normal screen size.

• When the 16:9 function is selected on Screen aspect menu, 16:9 is not available in the PC and AV screen (pp.36, 49).
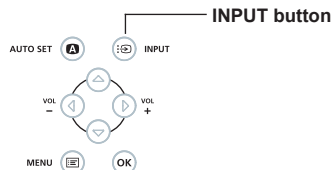
VIDEO Input

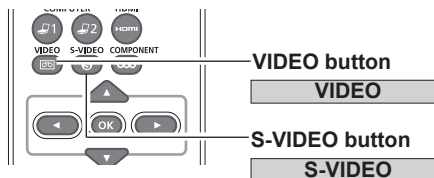## Input Source Selection (VIDEO, S-VIDEO)

Direct Operation

Choose **VIDEO** or **S-VIDEO** by pressing the INPUT button on the top control, or the VIDEO or the S-VIDEO button on the remote controller. Before using these buttons, correct input source should be selected through menu operation as described below.

Top Control

INPUT button

AUTO SET Ⓐ   :☺: INPUT

VOL −   VOL +

MENU ☰   OK

Remote controller

COMPUTER   HDMI

🖵1   🖵2   HDMI

VIDEO   S-VIDEO   COMPONENT

OK

VIDEO button

| VIDEO |

S-VIDEO button

| S-VIDEO |

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 ► button or the OK button.

2 Use the Point ▲▼ buttons to select **VIDEO** or **S-VIDEO**, and then press the OK button.

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**.

VIDEO

Input	COMPUTER 1	ANALOG PC
PC adjust	COMPUTER 2	ANALOG PC
Image select	HDMI	
Image adjust	VIDEO	
Aspect	S−VIDEO	
Sound		
Setting		
Information		
Network	System	Auto

Exit   ◄-----   ⬦Move   ▶Next   OK Next

✓**Note:**

When the Auto input function is set to **On 1** or **On 2** in the Auto setup function, the input signal will be searched automatically (p.47).
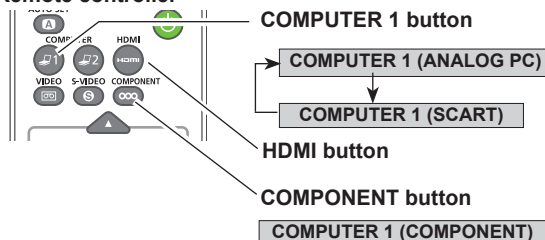
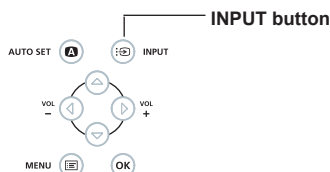## Input Source Selection (COMPONENT, SCART, HDMI)

Direct Operation

Choose **COMPUTER 1(COMPONENT)** or **COMPUTER 1 (SCART)** by pressing the COMPONENT or the COMPUTER 1 button on the remote controller. Choose **HDMI** by pressing the HDMI button on the remote controller or you can press the INPUT button on the top control to choose the desired input source.
Before using these buttons, correct input source should be selected through Menu operation as described below.

Remote controller

Top Control

COMPUTER 1 button

INPUT button

COMPUTER 1 (ANALOG PC)

↓

COMPUTER 1 (SCART)

HDMI button

COMPONENT button

COMPUTER 1 (COMPONENT)

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 ► button or the OK button.

2 Use the Point ▲ ▼ buttons to select **COMPUTER 1** and then press the Point ► button.

3 Use the Point ▲ ▼ buttons to select **COMPONENT** or **SCART** and then press the OK 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**.
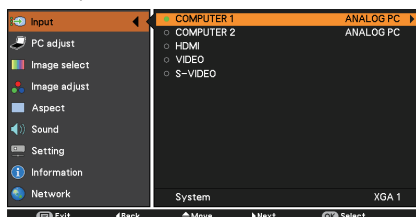
SCART When the input source is coming from video equipment connected to the COMPUTER IN 1/COMPONENT IN terminal with a Scart-VGA Cable, select **SCART**.

HDMI When video input signal is connected to the HDMI jack, select **HDMI**.

✓**Note:**

When the Auto input function is set to **On 1** or **On 2**, the input signal will be searched automatically (p.47).
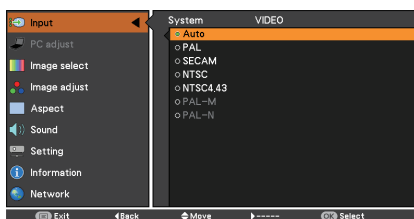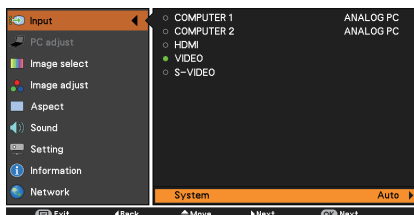
Input Menu

Press the Point ▲ ▼ buttons to select **COMPONENT** or **SCART**.

39

VIDEO Input

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 ► button or the OK button.

2 Use the Point ▲▼ buttons to select **VIDEO**, **S-VIDEO** or **COMPUTER 1(COMPONENT)** and then press the OK button.

3 Use the Point ▲▼ buttons to select **System** and then press the Point ► button or the OK button. Use the Point ▲▼ buttons to select the desired system and then press the OK 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**.
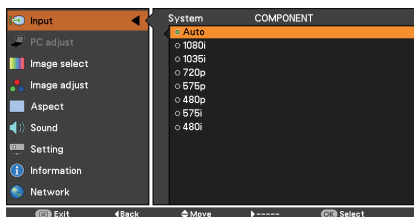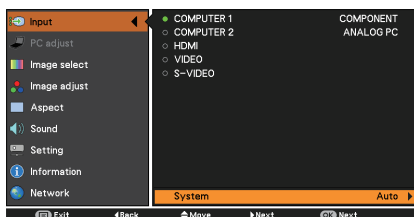
COMPONENT

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 from among **480i**, **575i**, **480p**, **575p**, **720p**, **1035i** and **1080i**.

✓**Note:**
The AV System Menu cannot be selected when selecting **SCART** or **HDMI**.

AV System Menu (VIDEO or S-VIDEO)

AV System Menu (COMPONENT)

40

Image Mode Selection

Direct Operation

Select the desired image mode among **Presentation**, **Standard**, **High contrast**, **Cinema**, **Blackboard (Green)**, **Colorboard**, **User 1**, **User 2**, **User 3** and **User 4** by pressing the IMAGE button on the remote controller.

IMAGE button

Remote controller

IMAGE button

Menu Operation

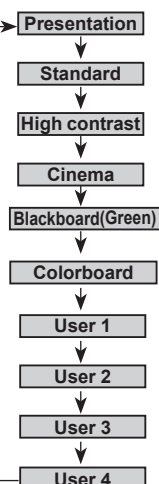**1** Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Image select** and then press the Point ► button or the OK button.

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

Presentation → Standard → High contrast → Cinema → Blackboard(Green) → Colorboard → User 1 → User 2 → User 3 → User 4

Presentation

For viewing pictures in a bright room.

Image select Menu

Standard

Normal picture mode preset on the projector.

High contrast

Picture mode with improved halftone for graphics.

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.
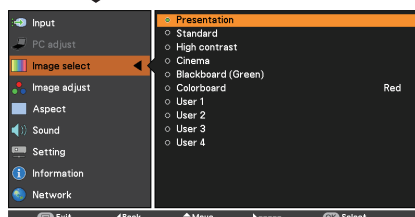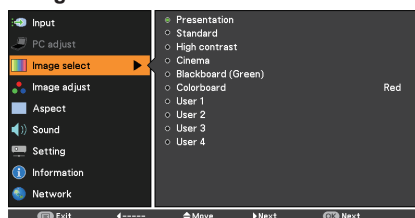
Colorboard

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.

User 1-4

For viewing with the user preset image mode in the Image Adjust Menu (p. 43).
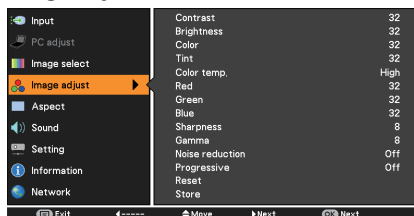
41

VIDEO Input

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 ► button or the OK button.

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

Image Adjust Menu

Selected Image mode

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 / Green / Blue)

Press the Point ◄ button to lighten R/G/B tone, press the Point ► button to deepen R/G/B 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).

✓**Note:**

 • When the **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. 40).
 • When **Blackboard (Green)** or **Colorboard** is selected in Image select, **Color temp.** will change to **Blackboard** or **Colorboard**.

Noise reduction

Noise interference on the screen can be
reduced. Select one of the following options to
get smoother images.
  Off........ Disabled.
  L 1........ Lower reduction
  L 2........ Higher reduction

Progressive

An interlaced video signal can be displayed in
progressive mode. Select one of the following
options.
  Off........ Disabled.
  L 1........ For an active picture.
  L 2........ 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 OK 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 Point ► button or the OK button. Use
the Point ▲▼ buttons to select one from **User 1**
to **User 4** and press the OK button.
A confirmation box appears and then select
Yes. Stored data can be called up by selecting
an **User (1-4)** in the Image Mode Selection on
page 41.

Store Menu

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

✓**Note:**
   Noise reduction and **Progressive** can not be
   selected when the input signal is **480p**, **575p**,
   720p, **1035i** or **1080i** (p.40).

VIDEO Input

Aspect Setting

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 **Aspect** and then press the Point ► button or the OK button.

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

Normal

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

Full

Provide the full screen image.

16:9

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

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.

Natural wide

Expand the right and left sides of images naturally without changing the center areas.

Custom

Provide the last stored aspect screen image.

Custom adj.

Adjust the screen scale and position manually with this function.
Press the Point ► button at **Custom adj.** and the Custom adjustment menu 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.
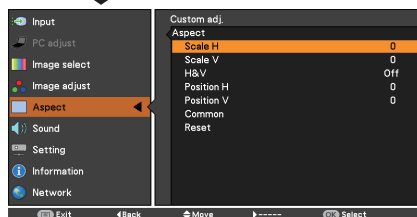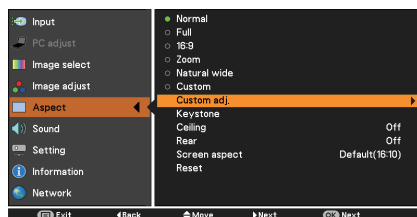**H&V** .... When set to **On**, the aspect ratio is fixed. The **Scale V** appears dimmed and becomes unavailable. Adjust **Scale H**, then the screen scale is automatically modified based on the aspect ratio.
Position H/V .. Adjust the Horizontal/Vertical screen position.
Common .... Save the adjusted scale or position to all the inputs. Press the OK button at **Common** to display a confirmation box. To save the scale or position, press the OK button at **Yes**. When **Custom** is selected, the saved scale or position is used.
Reset .... Reset the all adjusted values. Press the OK button at **Reset** to display a confirmation box. To reset, press the OK button at **Yes**.

Aspect Menu

✓**Note:**
- When no signal is detected, **Normal** is set automatically and the Aspect adjustment menu disappears.
- The adjustable range for **Scale H/V** and **Position H/V** is limited depending on the input signal.

Keystone

This function is used to adjust keystone distortion of the projected image. Use the Point ▲▼ buttons to choose the item you want to adjust.

<u>**Keystone**</u>
  To correct keystone distortion, press the OK button.
  Keystone appears on the screen. Use the Point ▲▼ buttons to correct keystone distortion (p. 25).

<u>**Store**</u>
  To store or reset the keystone correction, press the Point ► button.
    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.

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.

Screen aspect
This function is used to project the image to a 4:3 or 16:9 projection screen.
Default (16:10) ....16:10 is the aspect of the LCD panel. The original Screen Menu is available.
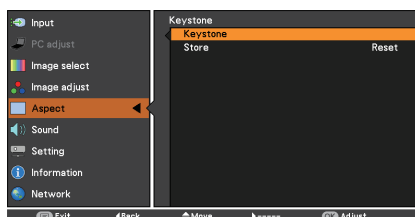   **16:9** ..... Set to a 16:9 projection screen.
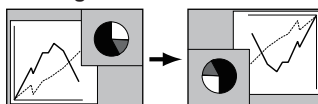   **4:3** ......Set to a 4:3 projection screen.

Reset

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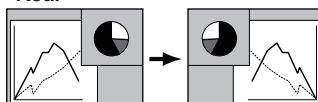
Keystone

Ceiling

Rear

✓**Note:**
  When the 16:9 function is selected on Screen aspect menu, 16:9 is not available in the PC and AV screen (pp.36, 44).
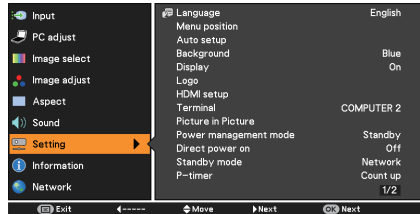
Setting

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 ► button or the OK button to access the submenu items.

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

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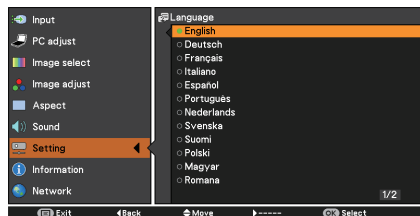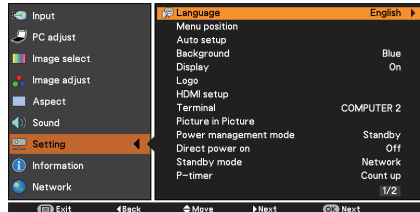
Setting Menu

Language

The language used in the On-Screen Menu is available in English, German, French, Italian, Spanish, Portuguese, Dutch, Swedish, Finnish, Polish, Hungarian, Romanian, Czech, Russian, Turkish, Arabic, Kazakh, Vietnamese, 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 OK button.

The Menu position changes each time you press the OK button as follows.
the center → the bottom left → the bottom right → the top left → the top right→.....

Language

Auto setup

This function enables Auto input, Auto PC and Auto Keystone adjustment by pressing the AUTO SET button. Settings for those functions can be altered as follows:

Auto input
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 .... Auto input does not work.
  On 1..... Auto input works under the following situation.
      –When pressing the AUTO SET button on the top control or the remote controller.
  On 2......Auto input works under the following situation.
      –When turning on the projector by pressing the POWER button on the top control or the remote controller.
      –When pressing the AUTO SET button on the top control or the remote controller.
      –When the current input signal is cut off.*
* If the Blank or Freeze function is active, cancel it to activate the Auto input. It is also unavailable when On-Screen menu is displayed.

Auto PC
  On...............Enables Auto PC Adjustment when pressing the AUTO SET button on the top control or the remote controller.
  Off...............Disables Auto PC Adjustment.

Auto keystone
  Auto..........Always works and corrects keystone distortion according to the projector's tilt.
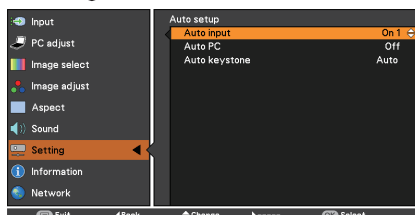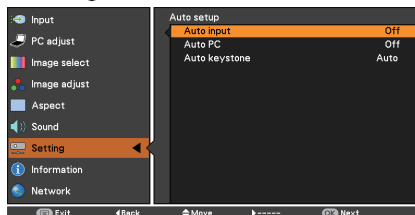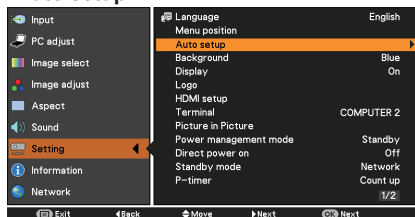 **Manual**......Works only when pressing the AUTO SET button on the top control or the remote controller.
  Off.............Disables Auto Keystone.

✓**Note:**
  • While **Auto input** is set to **On 1** or **On 2**, the status of Input and Lamp are displayed every time the signal is switched.
  • Only the last selected input source can be detected.

Auto setup

✓**Note:**
  • During **Auto input** is in progress, If the MENU button or the POWER button is pressed, **Auto input** will stop. If the COMPUTER 1/2 or VIDEO or COMPONENT or S-VIDEO or HDMI button is pressed, **Auto input** will stop and go back to the button's input signal.
  • **Auto input**, **Auto PC** and **Auto keystone** can not be set **Off** at the same time.
  • **Auto keystone** corrects vertical distortion only, not correct horizontal distortion.
  • The Auto keystone function can not work when the Ceiling feature is set **On** in the Screen menu (pp. 37, 45).
  • Perfect correction of the image distortion can not be ensured with the Auto setup function. If the distortion is not corrected properly by pressing the AUTO SET button, adjust manually by pressing the KEYSTONE button on the remote controller or selecting **Keystone** in the Setting menu (pp. 37, 45).
  • **Fine sync**, **Total dots**, **Horizontal position** 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. 32-33).

Setting

Background

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

Blue........Project a blue background.
User........Project an image captured in the Logo setting.
Black......Project a black 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. 22)
● P-Timer display.
● **No signal** for Power management (p. 51)
● **Please wait ...**
● Arrows for the True function in the Screen Menu. (p. 36)

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.
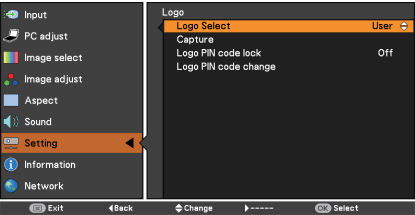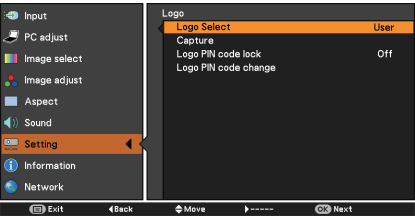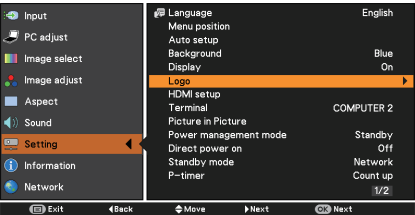
✓**Note:**
When **On** is selected in the Logo PIN code lock function, **Logo select** and **Capture** functions cannot be selected.

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 OK 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 BLANK button (p. 28).

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. 34 ,41).
- A signal from a computer can be captured up to WXGA (1280 x 800). 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 function is set to **On**, **Logo select** and **Capture** can not 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** can not be selected, you can only switch between **Default** and **Off**.
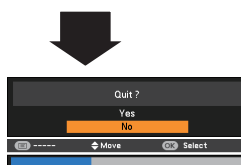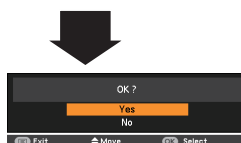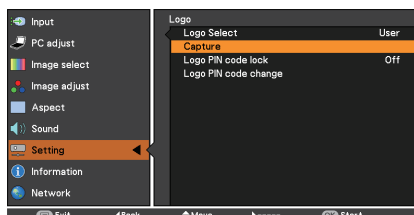
Logo PIN code lock

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

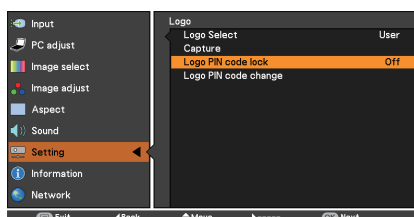**Off**.......... The screen logo can be changed freely from the Logo Menu (p. 48).
On.......... The screen logo cannot be changed without a Logo PIN code.
If you want to change the **Logo PIN code lock** setting, press the OK button and the Logo PIN code dialog box appears. Enter a Logo PIN code by following the steps below. The initial **Logo PIN code** is set to "4321" at the factory.

Capture

Logo PIN code lock

Setting

Enter a Logo PIN code
Use the Point ▲ ▼ buttons to enter a number. Press the Point ◄► buttons 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 ◄► buttons 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 OK 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 OK button to make a choice.

Logo PIN code change
Logo PIN code can be changed to your desired four-digit number. Press the OK button to select **Logo PIN code change**. **Current logo PIN code** dialog box appears, use the Point ▲ ▼buttons to enter the current code. The New logo PIN code input dialog box appears. Set a new Logo PIN code, confirmation box appears, choose **Yes** to set the 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.

CAUTION:
WHEN YOU HAVE CHANGED THE LOGO PIN CODE, WRITE DOWN THE NEW PIN CODE AS A REMINDER. SHOULD THE LOGO PIN CODE BE LOST OR FORGOTTEN, THE LOGO PIN CODE SETTING CAN NO LONGER BE CHANGED.

✓**Note:**
   If you forget your Logo PIN code and unable to change it, the Logo PIN code can be reset to the factory default setting (4321) according to the following procedures.
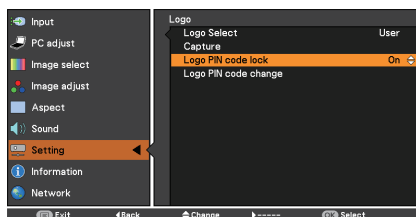   When you reset the Logo PIN code, the PIN code and Key lock will be reset, as well.
   1. Unplug the AC Power Cord from the AC outlet.
   2. Hold down the OK button on the projector and connect the AC Power Cord into the outlet again. Keep holding down the OK button until the POWER indicator lights. The Logo PIN code returns to the factory default setting while the Logo PIN code lock state will remain the same as the previous set state.
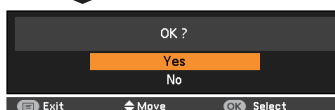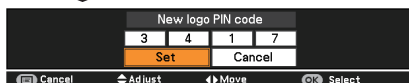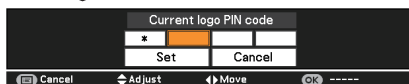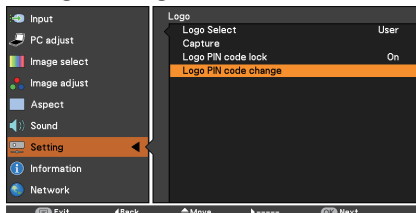
Enter a Logo PIN code

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

HDMI setup

This function is only used for HDMI input source.

HDMI setup

Image
Select **Normal** or **Enhanced** to match the video range setting of your HDMI Digital RGB equipment.

Sound
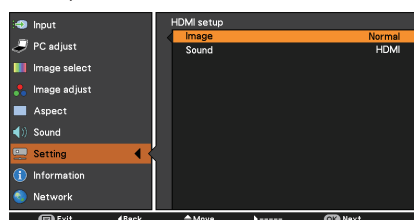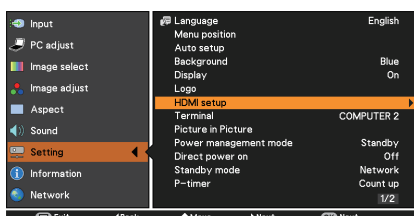**HDMI**: When using the HDMI cable, select **HDMI**.
Both video and audio are transferred and you need not to connect any additional cables for audio.
COMPUTER 2 : When using the DVI-HDMI cable, select **COMPUTER 2** and connect the audio cable to COMPUTER IN 2 termimal.

The names for the output setting of Digital RGB vary from equipment to equipment. For details, refer to the user's manual of your Digital RGB 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 RGB output equipment.

Terminal

The COMPUTER IN 2/MONITOR OUT terminal on the back of the projector is switchable for computer input or monitor output (p.11). Select **COMPUTER 2** or **Monitor out** with the Point ▲▼ buttons.

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 (**COMPUTER 1,** and so on) so that the Terminal function will be available. (pp. 27, 29, 39)

✓**Note:**
The input/output terminal [Computer 2] does not support EDID. Depending on the computer used, an adjustment of the resolution might be necessary after connection of the terminal. For the adjustment of the resolution please refer to the owner's manual of the computer.
* EDID (Extended Display Identification Data): The display ID of the connected monitor for transmission of the model name and the setting value to the computer.

Setting

Picture in Picture

This function is used to project two images simultaneously by placing a separate small sub screen within or next to the main screen.
Use the Point ▲▼ buttons to select **Picture in Picture** and then press the OK button to access the submenu.
Only the sound from the source of Main picture is valid, while the source of Sub picture cannot output the sound. (In P in P, the larger picture is main picture, and the smaller one is sub picture; in P by P, the left picture is main picture, and the right one is sub picture.)

Mode

Select the Picture in Pictrue mode among **P in P**, **P by P** and **Off**.

P in P: Provide the images of Main picture and Sub picture at the ratio of Screen aspect in the Screen Menu.
P by P: Provide the images of Main picture and Sub picture at the ratio of Screen aspect in the Screen Menu.
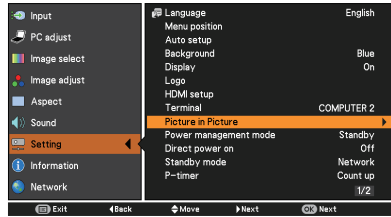**Off:** Turn off the Picture in Picture function.

Subpicture size

Press the Point ◄► buttons to change the Subpicture size among **Small**, **Middle** and **Large**.

Subpicture position

Adjust the Subpicture position.
Press the Point ◄► buttons to change the Subpicture position.

Selecting the Sub picture
During Picture in Picture mode, and being undisplayed On Screen Menu, press the OK button to select Sub picture. (A red frame will be displayed on the selected picture.)

Switching Input Source
When Main picture or Sub picture is selected, input source can be set by pressing the INPUT button on the top control or COMPUTER1/2 or HDMI buttons on the remote controller. Operation on the On Screen Menu is not necessary.

Picture in Picture

✓**Note:**
- The Picture in Picture function is not available depending on the input signals and the selected input terminals. Refer to **List of Picture in Picture** for details. (p.79)
- When the input signal(s) is/are incompatible, X mark will be displayed on the Main/Sub picture.
- **Subpicture size** and **Subpicture position** works only under **P in P** mode.

Power management mode

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

Select one of the following options:

Standby........ 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 controller is pressed.

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

Off................. Power management mode 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 (1~30 min).
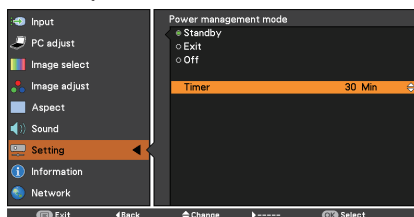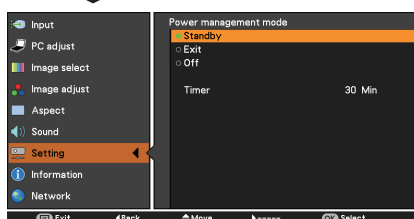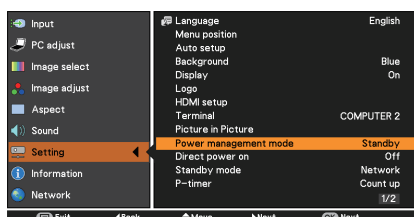
✓**Note:**

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

Power management mode

No signal
04:50

Time left before Lamp is off.

Direct power on

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 22). If the projector is turned off in the incorrect sequence, the Direct power on function will not work properly.

Setting

Standby mode

This function is available when operating the projector via network.

Network .. Supply the power to the network function even after turning off the projector by pressing the POWER button on the remote controller. 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 user's manual of "Network Set-up and Operation".

✓**Note:**

When selecting **Network**, the cooling fans may be running depending on the temperature inside the projector even if the projector is turned off.

P-timer

This function allows you to change the setting of the P-timer and execute it.

Select one of the following options:

Count up .... The P-timer display **000:00** appears on the screen and the count up starts (**000:00-180:00**)

Count down .. The time set in the Timer setting appears on the screen and the countdown starts.

Timer .... Use the Point ▲▼ buttons to set the Timer (**1-180 Min**). **Timer** is available in Count down only. Factory default value is **10 Min**.

Start .... It executes the count up or count down function. Press the OK button at **Start** and the indication changes into Stop. To stop **Count up** or **Count down**, press the OK button at **Stop** on the screen menu, then the indication changes into **Restart**. Press the OK button at **Restart** to resume **Count up** or **Count down**.

Reset .... Reset the P-timer values. Press the OK button at **Reset** to return to the following value:
> **Count up** .... "000:00"
> **Count down** ... Timer that you set

Exit .... To exit the P-timer operation.

X: disabled   O: enabled

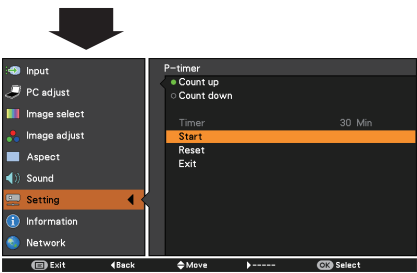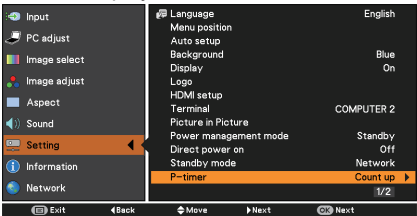|	Eco	Network
Serial command	× *1	O
Network	×	O
Monitor Out	×	O
Audio Out	×	× *2
Direct power on	O	O

*1 When **Eco** is selected, it is only possible to turn on the projector while using the RS-232C serial port.
*2 When switch the Standby MIC out function On and in Standby mode status, only MIC volume can be output.

P-TIMER

P-timer display
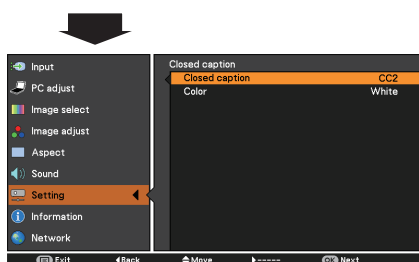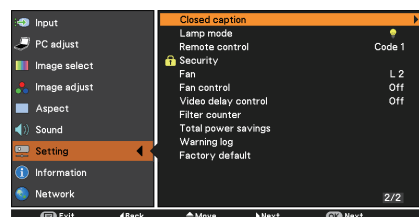

Stop or Cancel the P-timer via Remote controller
To stop the P-timer function, press the P-TIMER button. To cancel the P-timer, press and hold the P-TIMER button for a few seconds.

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

Press the Point ▲▼ buttons to select **Off**, **CC1**, **CC2**, **CC3** or **CC4**, and then press the OK button.

✓**Note:**
  The Closed caption is available only under the situation below.
  • When the input signal is **COMPONENT** (for adjustment only), **VIDEO** or **S-VIDEO**, and the system is set to **Auto** or **NTSC**, the Closed caption is available.
  • If the system is set to **Auto**, and choose **NTSC** as the input signal, the Closed caption function will be available.
    Closed caption will be unavailable when under other setting conditions.
  • The Closed caption function is unavailable when On-Screen menu and P-timer are displayed.
  • The menu items of Closed caption are displayed in gray while it is not available.