

# Basic Operation

## NO SHOW button

Press the NO SHOW button on the remote control to black out the image. To restore to normal, press the NO SHOW button again or press any other button. When the projected image is captured and is set as User in the Logo selection (p. 48), the screen changes each time you press the NO SHOW button as follows.

black out → the captured image → normal → .....

## P-TIMER button

Press the P-TIMER button on the remote control to operate the Count up/Count down function. See page 52 for details of Setting for the P-timer function.  
To stop the countdown, press the P-TIMER button. To cancel the P-Timer function, press and hold the P-TIMER button for a few seconds.

## IMAGE button

Press the IMAGE button on the remote control to select a desired image mode of the screen. See pages 33, 41 for details.

## SCREEN button

Select the screen size (See pages 35-37, 44-45 for details).

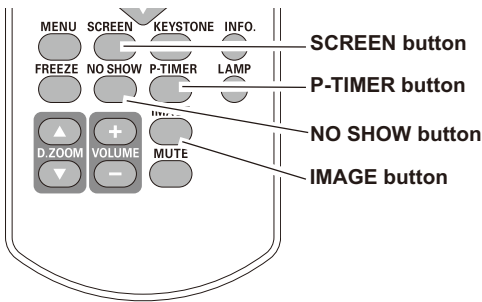


No show disappears after 4 seconds.

## P-timer



P-Timer display



✓ **Note:**  
See the previous page for the description of other buttons.

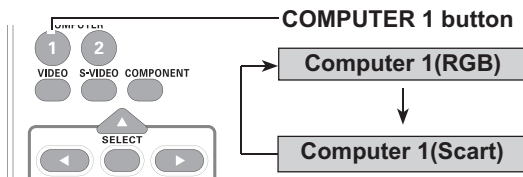
# Computer Input

## Input Source Selection (Computer 1: RGB )

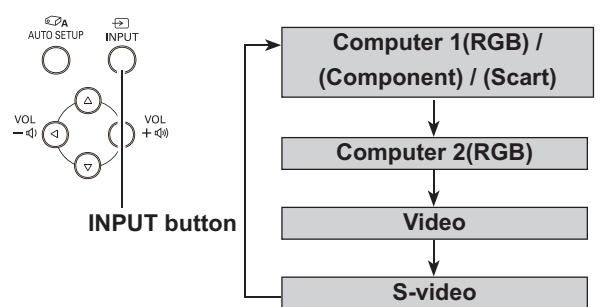
### Direct Operation

Choose **Computer 1(RGB)** or **Computer 1(Scart)** by pressing the INPUT button on the top control or press the COMPUTER 1 button on the remote control.  
Before using INPUT button, correct input source should be selected through Menu operation as described below.

### Remote Control



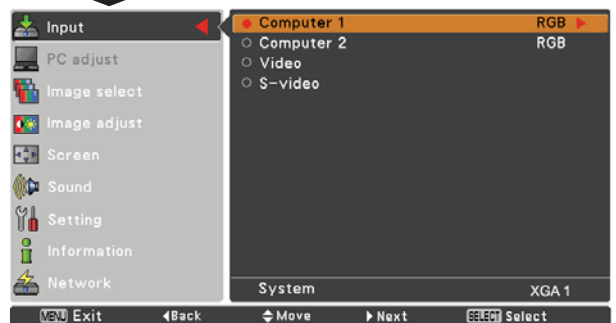
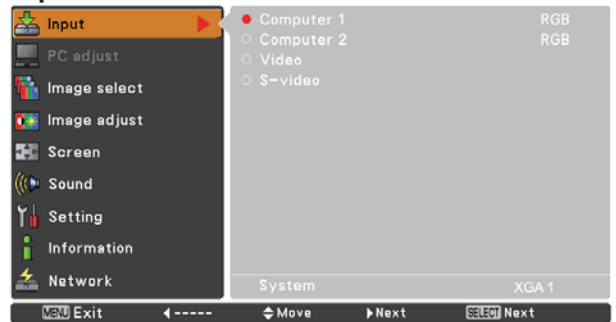
### Top Control



### 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 1** and then press the Point ► button.
- 3 Use the Point ▲▼ buttons to select **RGB** and then press the SELECT button.

### Input Menu



✓ **Note:**  
When the Input Search function is set to **On1** or **On2** in the Auto setup function, the input signal will be searched automatically (p.47).

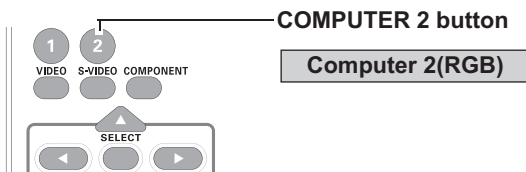
## Computer Input

### Input Source Selection (Computer 2: RGB)

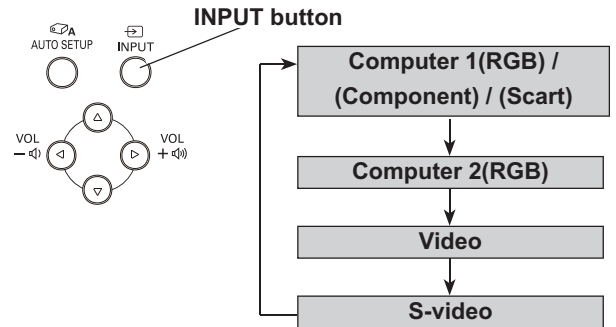
#### Direct Operation

Choose **Computer 2(RGB)** by pressing the INPUT button on the top control or press the COMPUTER 2 button on the remote control.

#### Remote Control



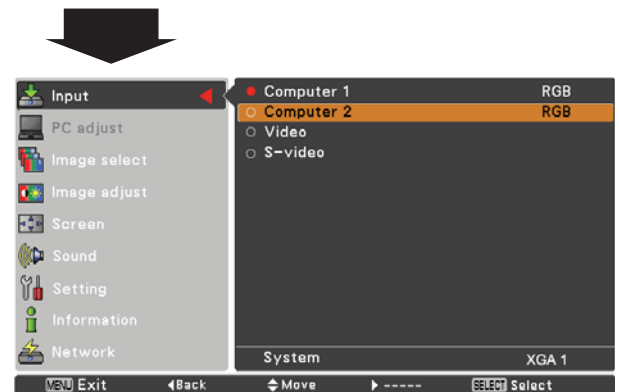
#### Top Control



#### 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



#### ✓ Note:

- When the Input Search function is set to **On1** or **On2**, the input signal will be searched automatically (p.47).
- COMPUTER 2 can not be selected when using the COMPUTER IN 2/ MONITOR OUT terminal as MONITOR OUT output.

## Computer System Selection

This projector automatically tunes to various types of computers 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 page 71.)

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.31-32).

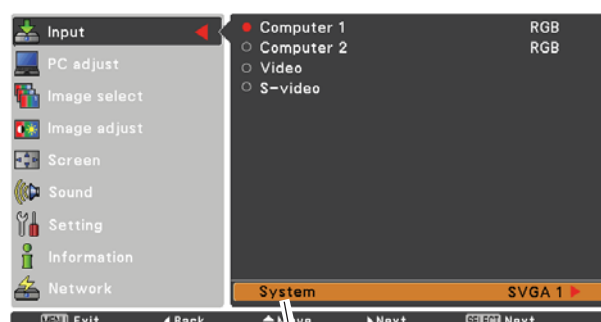
**-----** There is no signal input from the computer. Check the connection between your computer and the projector. (See "Troubleshooting" on pages 65-66.)

**Mode 1** The preset system is manually adjusted in the PC Adjust Menu. The adjusted data can be stored in **Mode 1–10** (pp.31-32).

**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.

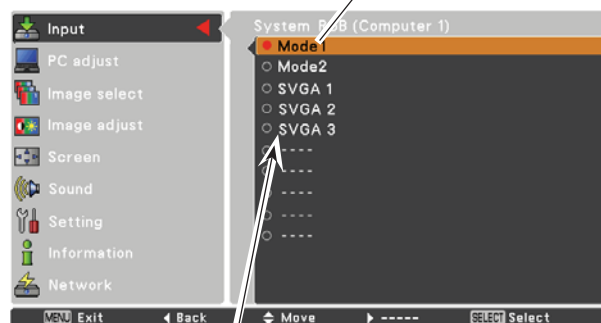
## Selecting Computer System Manually

### 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 **System** 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



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

To store adjustment parameters

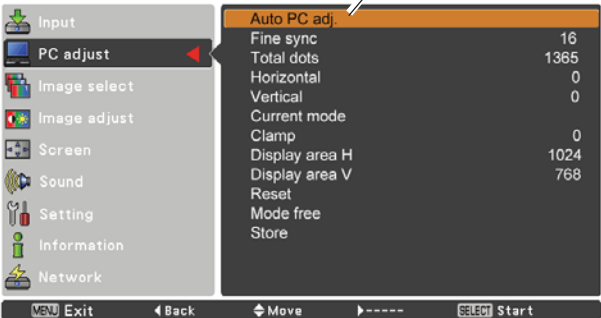
The adjusted parameters from the Auto PC Adjustment can be stored in the projector. Once the parameters are stored, the setting can be done just by selecting a **Mode (1–10)** in the PC System Menu (see page 29). See also “Store” on page 32.

- ✓ **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.31-32).
  - The Auto PC Adjustment cannot be operated when **480i**, **575i**, **480p**, **575p**, **720p**, **1035i** or **1080i** is selected in the PC System Menu (p.29).

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.



## 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 ► 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.

### 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.

### Current mode

Press the SELECT 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.

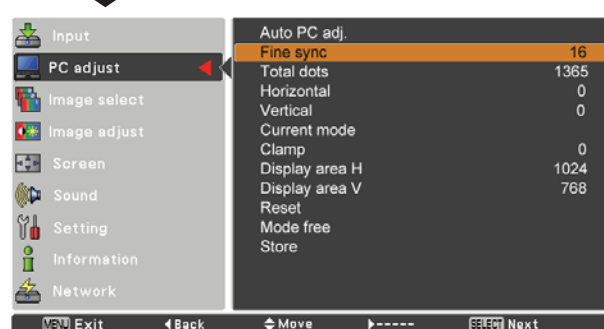
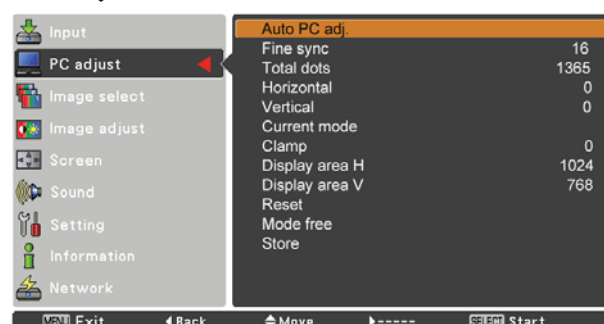
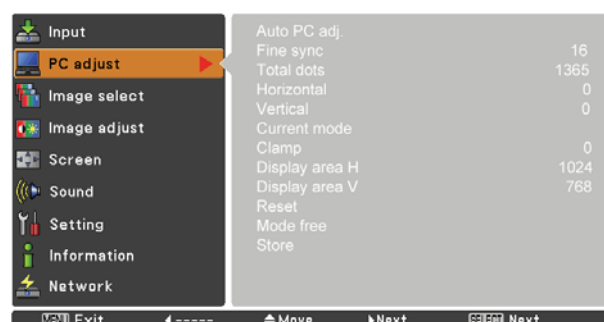
### Display area H

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



## Computer Input

### 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.

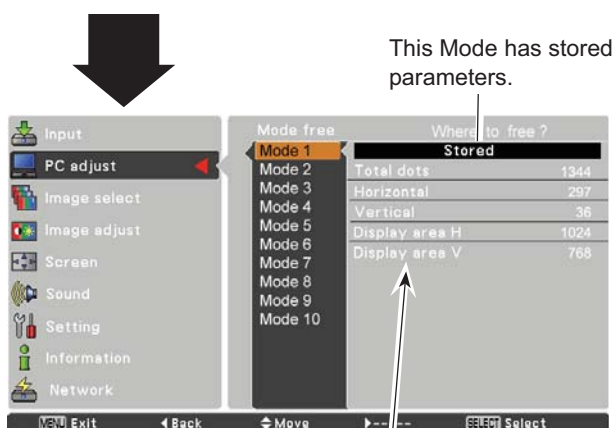
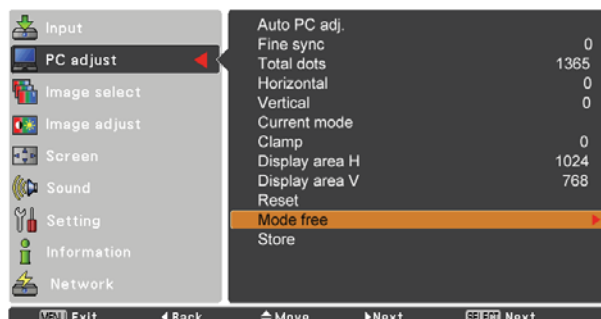
### Mode free

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

### Store

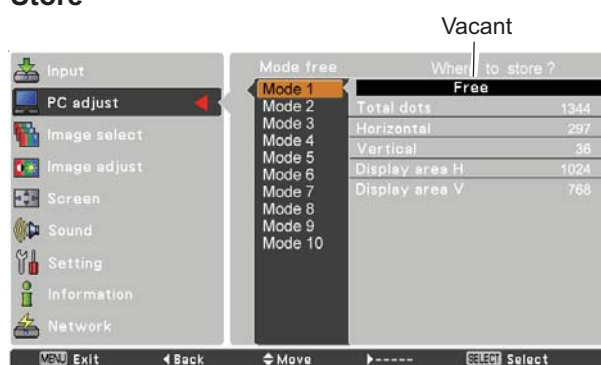
To store the adjusted data, select **Store** and then press the Point ► button or the SELECT button. Move the highlight to one of the Modes 1 to 10 in which you want to store, and then press the SELECT button.

### Mode free



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

### Store



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.29).
- When input computer signal to the projector, **PC adjust** will become available.

## Image Mode Selection

### Direct Operation

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

### Remote Control

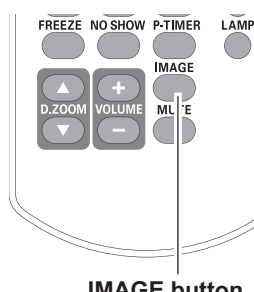
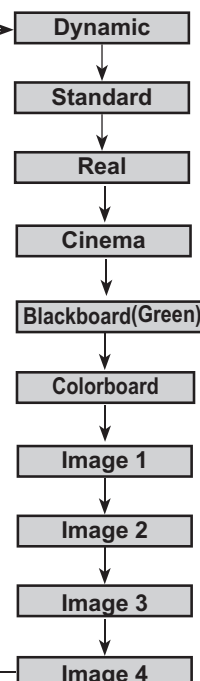


IMAGE button

### IMAGE button



### 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.

#### 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.

#### Image 1–4

For viewing with the user preset image mode in the Image Adjust Menu (see pages 34-35). This Image memory is provided in each computer, component, S-video and video input source.

### Image select Menu

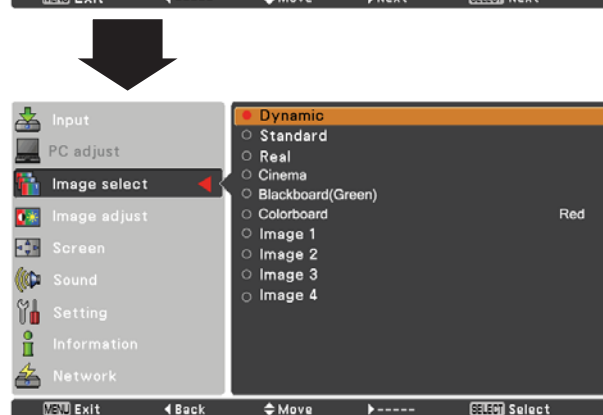
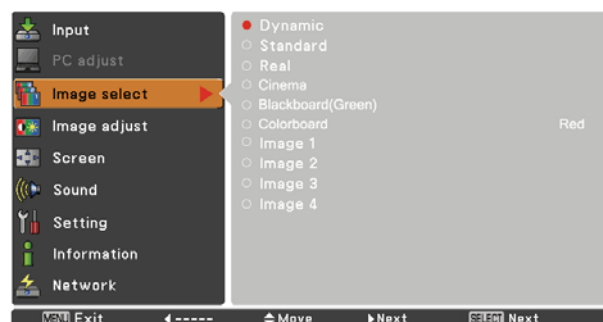




Image Adjustment

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

**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).

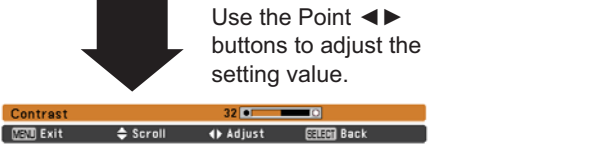
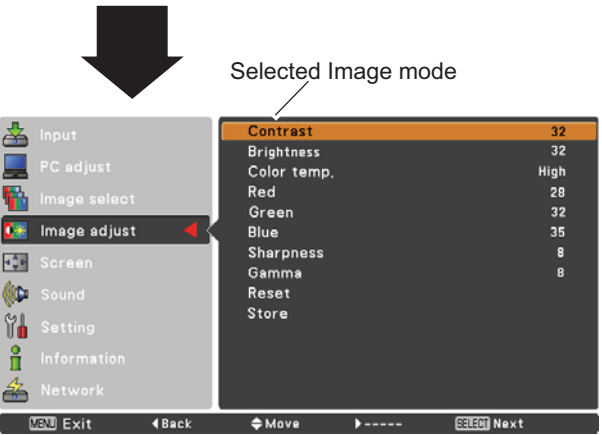
**White balance (Red/Green/Blue)**  
Press the Point ◀ button to lighten R/G/B tone; press the Point ► button to deepen R/G/B tone (from 0 to 63).

**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 SELECT button. A confirmation box appears and then select **Yes**. All adjustments will return to their previous figures.

Image adjust Menu

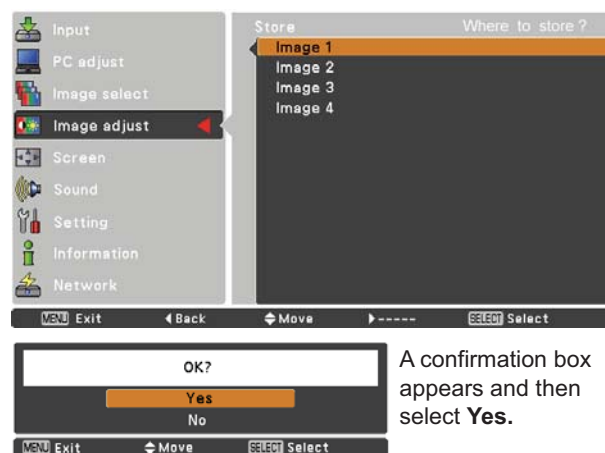


- ✓ **Note:**
- When White balance **Red**, **Green** or **Blue** is adjusted, **Color temp.** will change to **User**.
  - When **Blackboard(Green)** or **Colorboard** is selected in Image select, **Color temp.** will change to **Blackboard** or **Colorboard**.

## Store

To store the adjusted data, select **Store** and press the Point ► button 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 33.



## 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 to select the desired item and then press the SELECT button.

### Normal

Provide the image to fit the screen size.

### Full

Provide the full screen image.

### Wide (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 than the screen size (1024 x 768), 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.

### Custom

Provide the last stored aspect screen image.

### Screen 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 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** and **Digital zoom +/-** cannot be selected when **480i**, **575i**, **480p**, **575p**, **720p**, **1035i** or **1080i** is selected in the PC System Menu (p.29).

## Computer Input

### Custom adj.

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. 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 SELECT button at **Common** to display a confirmation box. To save the scale or position, press the SELECT button at **Yes**. When **Custom** is selected, the saved scale or position is used.

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

### 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 ▲ or the SELECT button on the remote control.

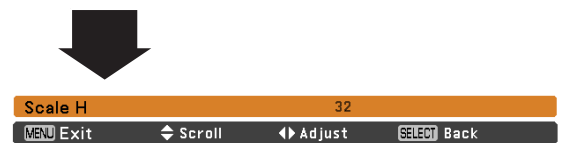
### Digital zoom –

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 ▼ or the SELECT button on the remote control.

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

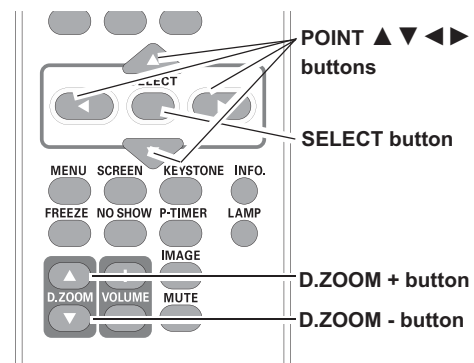
To return to the previous screen size, select a screen size from the Screen Size Adjustment Menu or select an input source from the Input Source Selection Menu (see pages 27-28) again, or adjust the screen size with the D.ZOOM ▲▼ buttons.



#### ✓ 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



#### ✓ 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.29).
- **Digital zoom +/-** cannot be selected when **True** is selected.
- The minimum compression ratio is limited at Normal screen size.

## 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 SELECT button. Keystone appears on the screen. Use the Point ▲▼ buttons to correct keystone distortion (p.23).

### Store

To store or reset the keystone correction, press the SELECT 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.

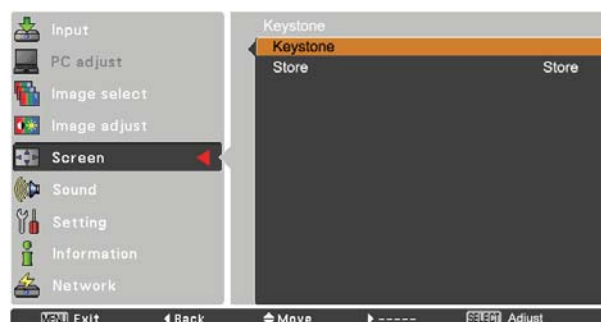
## Rear

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.

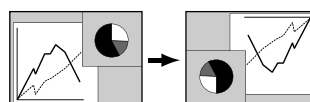
## Reset

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.

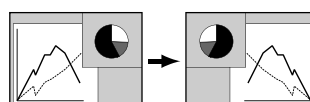
## Keystone



## Ceiling



## Rear



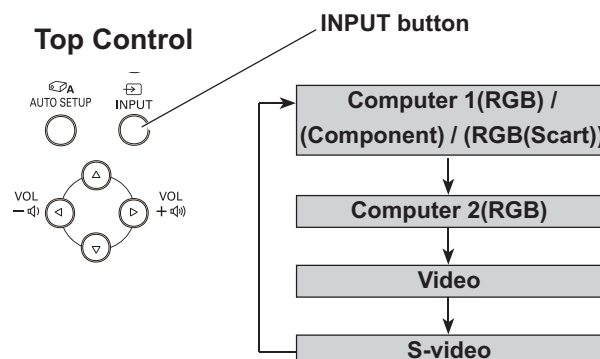
# Video Input

## Input Source Selection (Video, S-video)

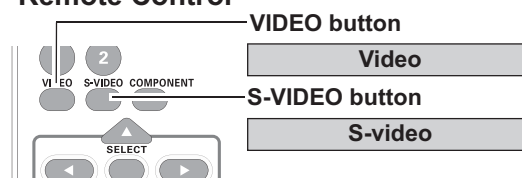
### Direct Operation

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

Before using INPUT button, correct input source should be selected through menu operation as described below.



### Remote Control



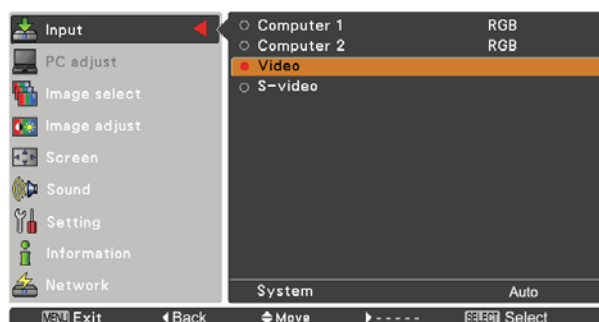
### Menu Operation

- 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.

**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 Menu



#### ✓ Note:

When the Input Search function is set to **On1** or **On2** in the Auto setup function, the input signal will be searched automatically (p.47).

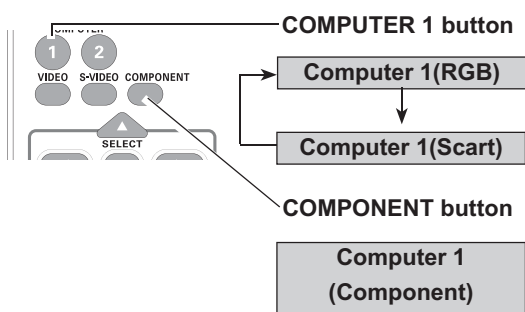
## Input Source Selection (Component, RGB Scart)

### Direct Operation

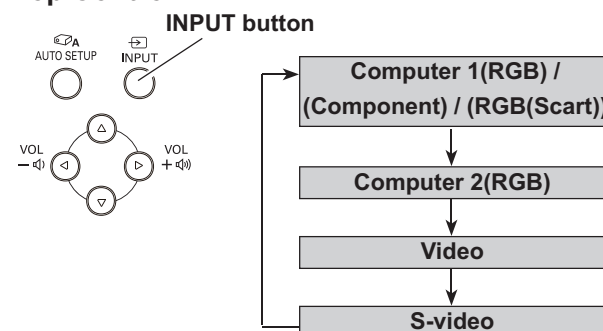
Choose **Computer 1(Component)** or **Computer 1(Scart)** by pressing the INPUT button on the top control or press the COMPUTER 1 or the COMPONENT button on the remote control.

Before using INPUT button, correct input source should be selected through Menu operation as described below.

### Remote Control



### Top Control



### 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 1** and then press the Point ► button.
- 3 Use the Point▲▼ buttons to select **Component** or **RGB(Scart)** and then press the SELECT button.

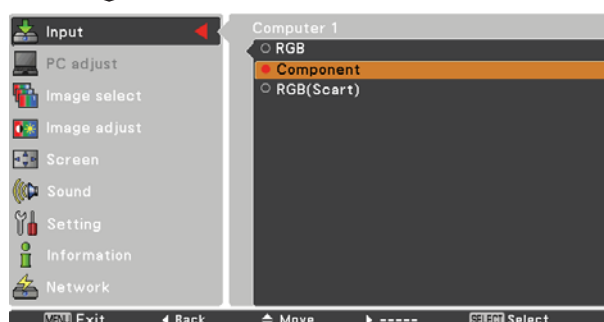
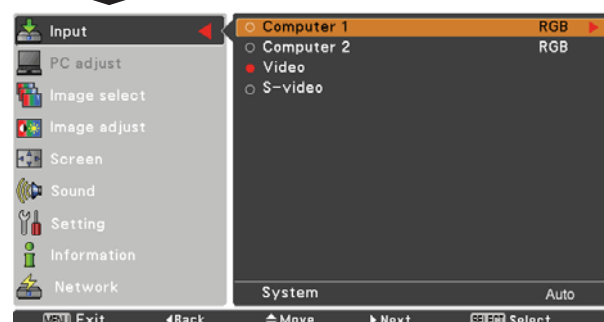
**Component** When the input source is coming from video equipment connected to the COMPUTER IN 1/COMPONENT IN terminal with a Component-VGA Cable, select **Component**.

**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)**.

### ✓ Note:

When the Input Search function is set to **On1** or **On2**, the input signal will be searched automatically (p.47).

### Input Menu



## 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 ► 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 the SELECT button.

#### Video or S-video

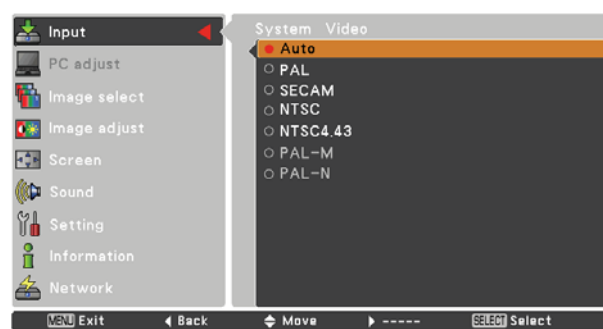
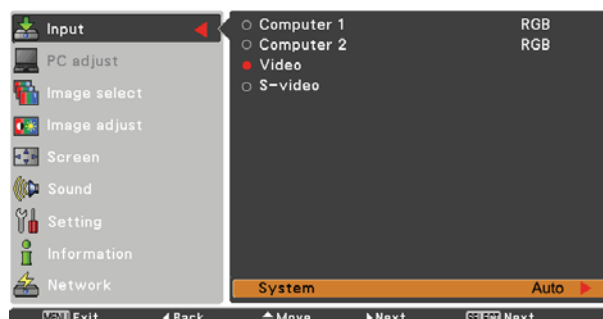
##### Auto

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**.

#### AV System Menu (Video or S-video)



#### Component

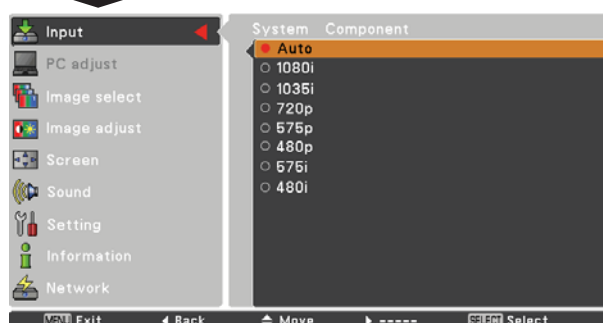
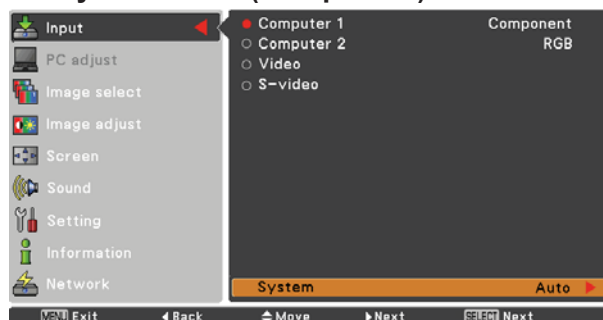
##### Auto

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**.

#### AV System Menu (Component)



#### ✓ Note:

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



## Image Mode Selection

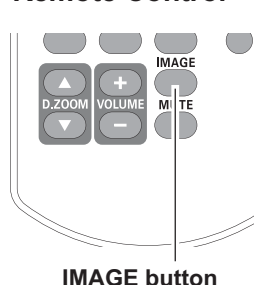
### Direct Operation

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

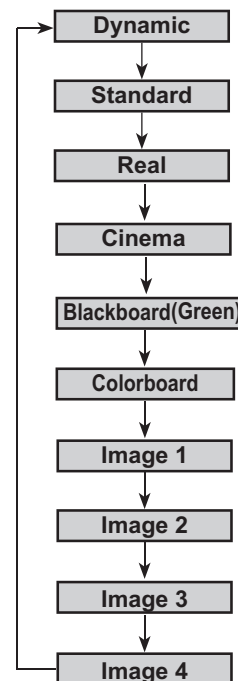
### Menu Operation

- 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.

### Remote Control



### IMAGE 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.

### 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.

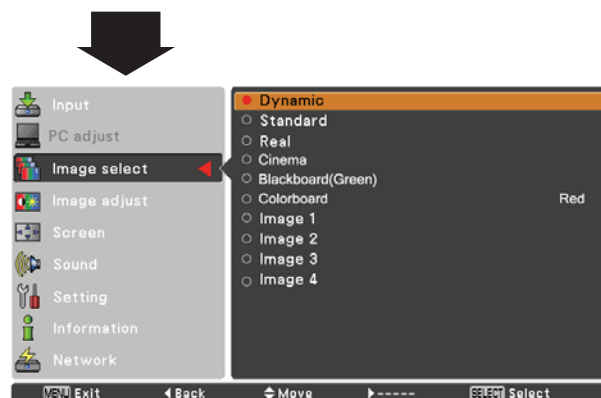
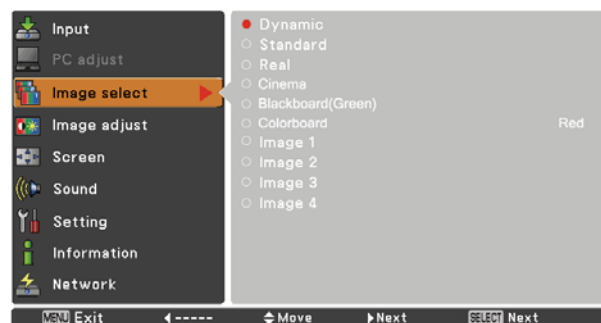
### Colorboard

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.

### Image 1–4

For viewing with the user preset image mode in the Image Adjust Menu (see pages 42–43). This Image memory is provided in each computer, component, S-video and video input source.

### Image select Menu





### Image Adjustment

- 1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select the **Image 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.

#### 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).

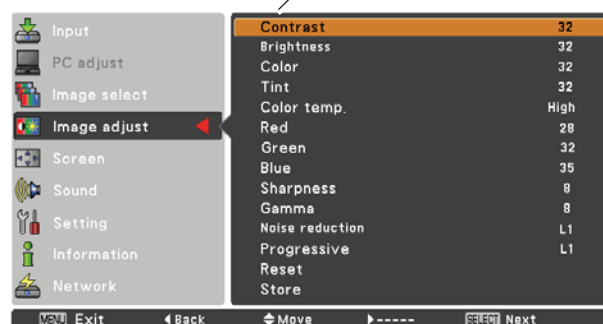
#### White balance (Red/Green/Blue)

Press the Point ◀ button to lighten R/G/B tone; press the Point ► button to deepen R/G/B tone (from 0 to 63).

#### Image adjust Menu



Selected Image mode



Use the Point ◀▶ buttons to adjust the setting value.



#### ✓ 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**.

## 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 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 Point ▶ button 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 41.

### ✓ Note:

**Noise reduction** and **Progressive** cannot be selected when **480p**, **575p**, **720p**, **1035i** or **1080i** is selected (p.40).

## 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 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.

#### Full

Provide the full screen image.

#### Wide (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.

#### Custom

Provide the last stored aspect screen image.

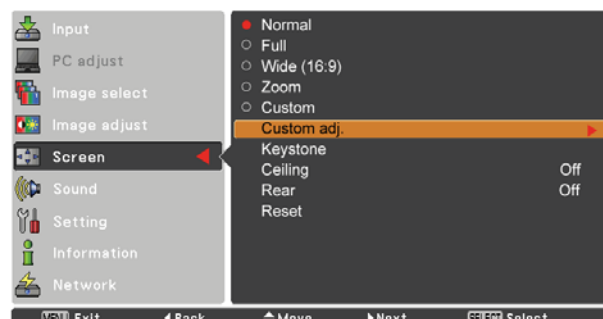
#### Custom adj.

Adjust the screen scale and position manually with this function.

Press the Point ► button at **Custom** 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. 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 SELECT button at **Common** to display a confirmation box. To save the scale or position, press the SELECT button at **Yes**. When **Custom** is selected, the saved scale or position 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.

## 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 SELECT button. Keystone appears on the screen. Use the Point ▲▼ buttons to correct keystone distortion (p.23).

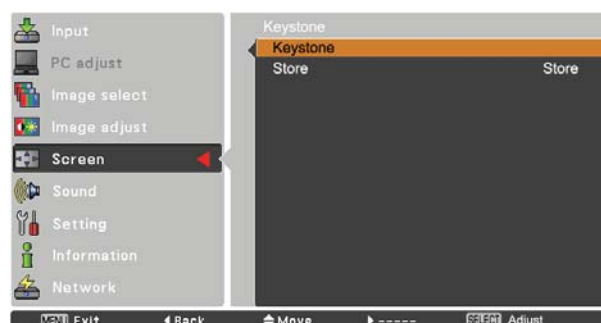
### Store

To store or reset the keystone correction, press the SELECT 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.

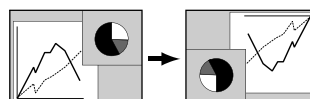
## Keystone



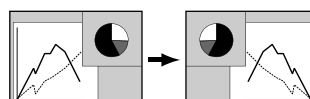
## Ceiling

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.

## Ceiling



## Rear



## 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.

## 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.

# 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 the **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 buttons to access the selected item.
- 3 Use the Point ▲▼ buttons select the desired item and then press the SELECT button.



### Language

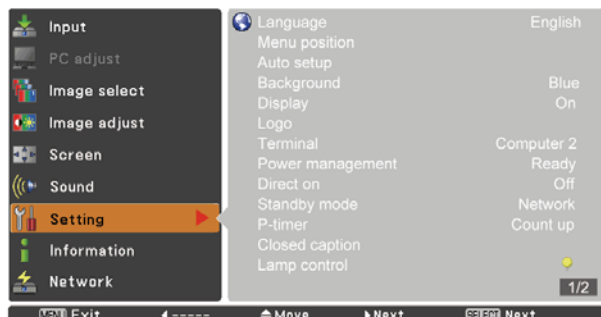
The language used in the On-Screen Menu is available in **English, German, French, Italian, Spanish, Portuguese, Dutch, Swedish, Finnish, Polish, Hungarian, Romanian, Czech, Russian, Turkish, Kazakh, Vietnamese, Chinese, Korean, Japanese and Thai.**

### Menu position

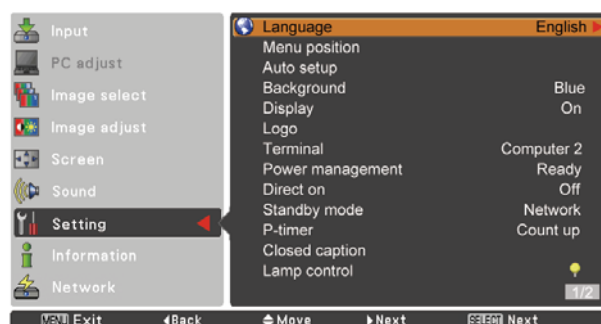
This function is used to change the position of the On-Screen Menu. Select **Menu position** and press the SELECT button.

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

### Setting Menu



### Language



## Auto setup

This function enables Input search, Auto Keystone correction and Auto PC adjustment by pressing the AUTO SETUP button on the top control or the AUTO SET 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 when.

- Pressing the AUTO SETUP button on the top control or the AUTO SET 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 SETUP button on the top control or the AUTO SET button on the remote 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 button on the remote control or the AUTO SETUP 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.

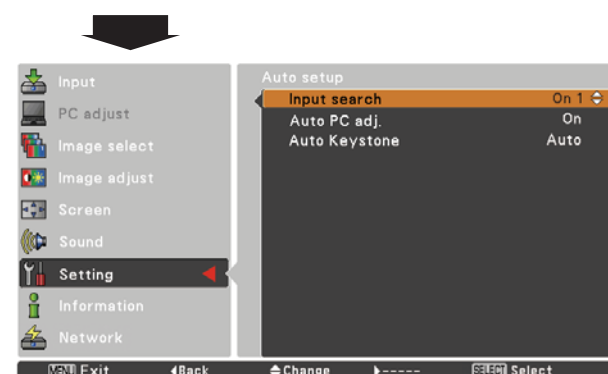
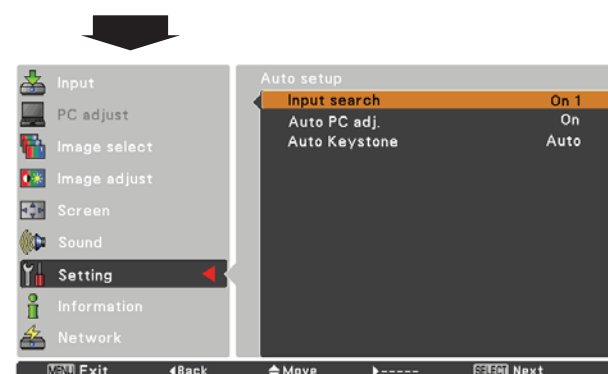
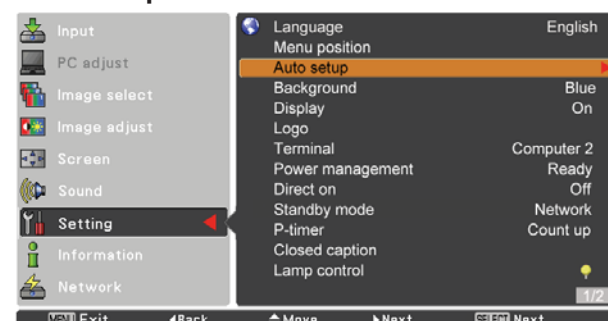
**Manual** . . . Works only when pressing the AUTO SETUP button on the top control or the AUTO SET button on the remote control.

**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 COMPUTER 1/2 buttons, VIDEO or S-VIDEO or COMPONENT button 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 (pp.37, 45).
- 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 or AUTO SET button, adjust manually by pressing the KEYSTONE button on the remote control or selecting **Keystone** in the Setting menu (pp.23, 37, 45).
- **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.31-32).

Setting

Background

Select the background screen 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.20)
  - **No signal** for Power management (p.51)
  - **Please wait** ...
  - Arrows for the True function in the Screen Menu (p.35)
  - 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** and **Capture** functions cannot be selected.

Logo select

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

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

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.

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.33, 41).
- A signal from a computer can be captured up to XGA (1024 x 768). 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** can not be selected, you can only switch between **Default** and **Off**.

## Logo PIN code lock

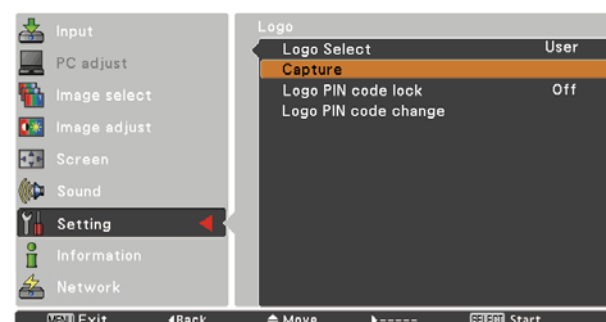
This function prevents an unauthorized person from changing the screen logo.

**On** ..... The screen logo cannot be changed without a Logo PIN code.

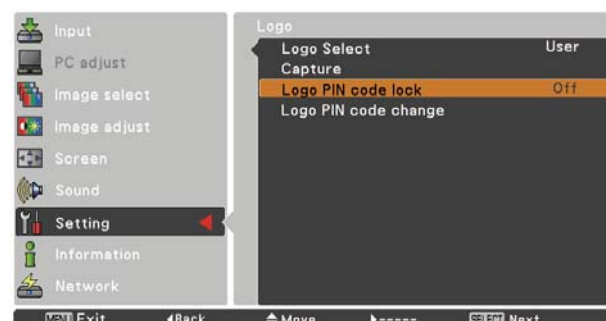
**Off** ..... The screen logo can be changed freely from the Logo Menu (p.48).

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 make a choice.

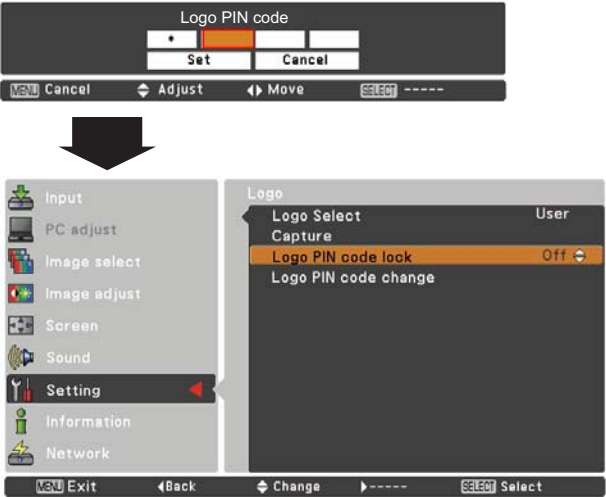
Logo PIN code change

Logo PIN code can be changed to your desired four-digit number. Press the SELECT 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 IN COLUMN OF THE LOGO PIN CODE NO. MEMO ON PAGE 76, 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



Logo PIN code change

