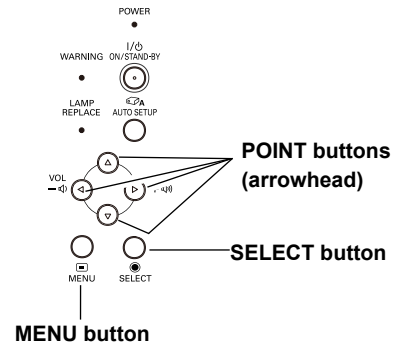


## How to Operate the On-Screen Menu

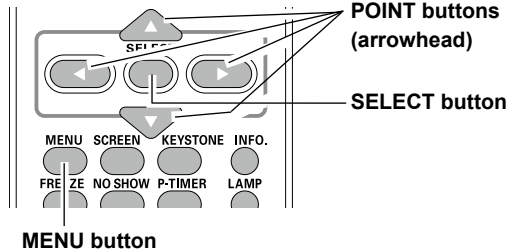
The projector can be adjusted or set via the On-Screen Menu. The menus have a hierarchical structure, with a main menu that is divided into submenus, which are further divided into other submenus. For each adjustment and setting procedure, refer to respective sections in this manual.

- 1** Press the MENU button on the top control or the remote control to display the On-Screen Menu.
- 2** Use the Point **▲▼** buttons to highlight or select a main menu item. Press the Point **▶** or the SELECT button to access the submenu items. (The selected item is highlighted in orange.)
- 3** Use the Point **▲▼** buttons to select the desired submenu item and press the SELECT button to set or access the selected item.
- 4** Use the Point **▲▼◀▶** buttons to adjust the setting or switch between each option and press the SELECT button to activate it and return to the submenu.
- 5** Press the Point **◀** button to return to the main menu. Press the MENU button to exit the On-Screen Menu.

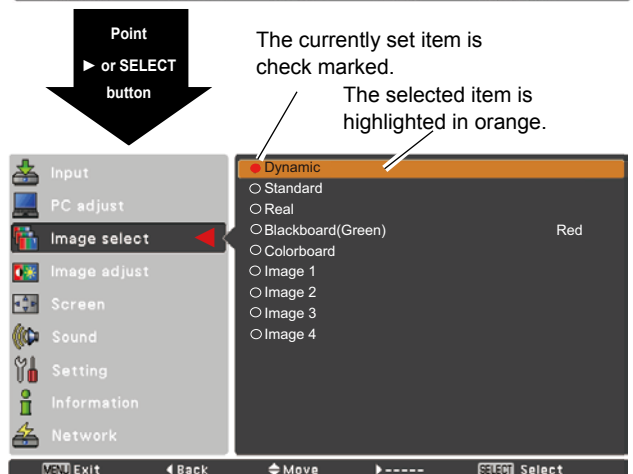
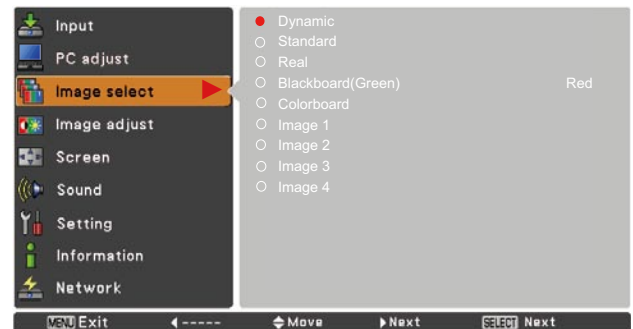
### Top Control



### Remote Control

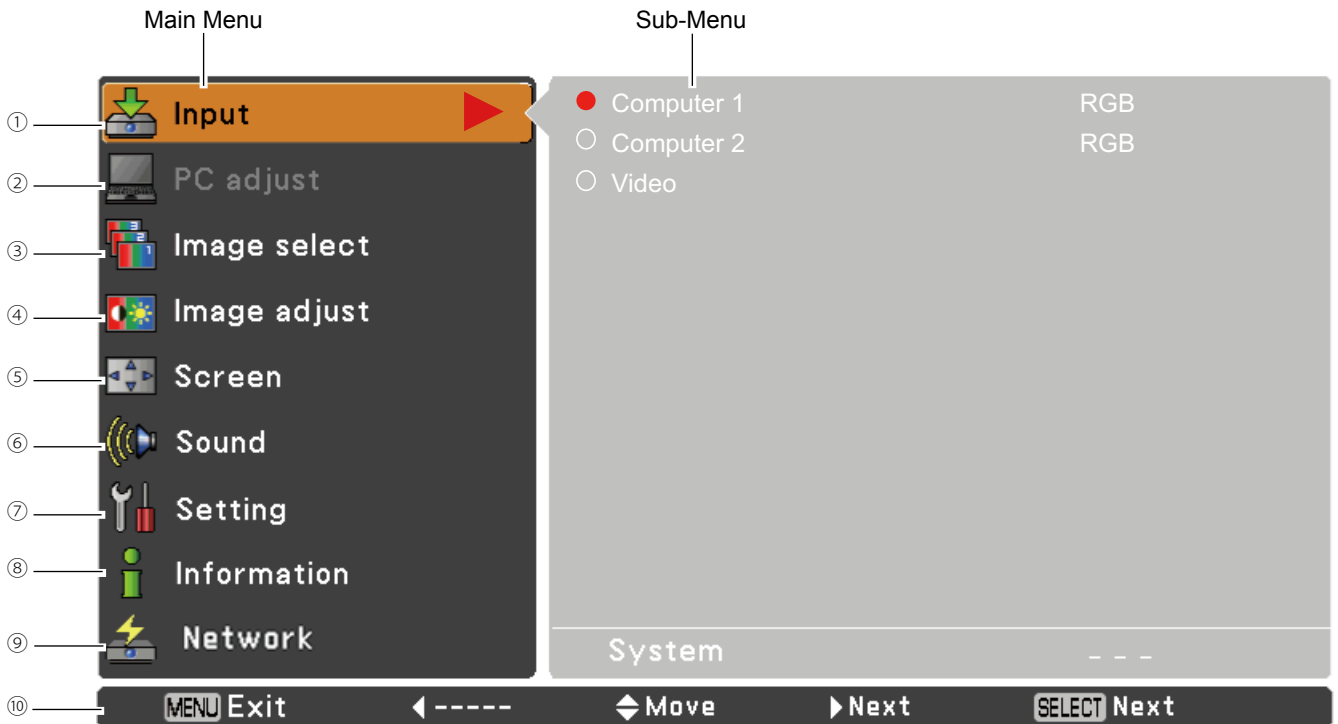


### On-Screen Menu



## Menu Bar

For detailed functions of each menu, see “Menu Tree” on pages 68-69.



### ① Input

Used to select an input source from **Computer 1**, **Computer 2** or **Video** (pp.27, 36-37).

### ② PC adjust

Select **Auto PC adj.**, **Fine sync**, **Total dots**, **Horizontal**, **Vertical**, **Current mode**, **Clamp**, **Display area-H** and **Display area-V** to adjust the parameters to match with the PC input signal format (pp.29-31).

### ③ Image select

For computer source, used to select an image mode from among **Dynamic**, **Standard**, **Real**, **Blackboard(Green)**, **Colorboard** and **image 1 - 4** (p.32).

For Video source, used to select an image mode among **Dynamic**, **Standard**, **Cinema**, **Blackboard(Green)**, **Colorboard** and **Image 1- 4** (p.39).

### ④ Image adjust

For computer source, used to adjust computer image [**Contrast**, **Brightness**, **Color temp.**, **White balance (R/G/B)**, **Sharpness** and **Gamma**] (pp.33-34).

For Video source, used to adjust picture image [**Contrast**, **Brightness**, **Color**, **Tint**, **Color temp.**, **White balance (R/G/B)**, **Sharpness**, **Gamma**, **Noise reduction** and **Progressive**] (pp.40-41).

### ⑤ Screen

For computer source, used to adjust size of the image [ **Normal**, **True**, **Wide**, **Full**, **Custom**, **Custom adj.** and **Digital zoom +/-** ] (pp.34-35).

For Video source, used to set size of image [**Normal**, **Wide**, **Custom** and **Custom adj.**] (p.42).

### ⑥ Sound

Used to adjust the volume or mute the sound (p.24).

### ⑦ Setting

Used to set the projector's operating configurations (pp.43-57).

### ⑧ Information

Display the input source information: **Input** , **H-sync freq.**, **V-sync freq.**, **Screen**, **Language**, **Lamp status**, **Lamp counter** , **Power management**, **Key lock**, **PIN code lock** and **Remote control** (p.58).

### ⑨ Network

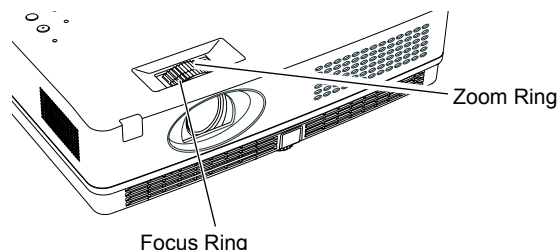
See the owner's manual of "Network Set-up and Operation".

### ⑩ Guide

The key operation is displayed.

## Zoom and Focus Adjustment

Rotate the Zoom Ring to zoom in and out.  
Rotate the Focus Ring to adjust the focus of the image.



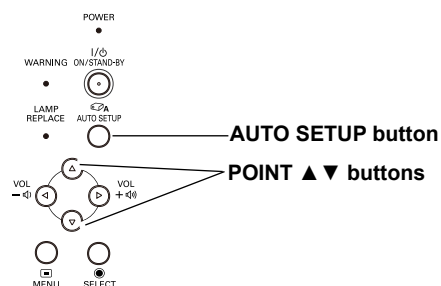
## Auto Setup Function

Auto setup function is provided to automatically execute the setting of Auto setup (includes Input search, Auto PC adj. and Auto Keystone functions) in the setting menu by just pressing the AUTO SETUP button on the top control or the AUTO SET button on the remote control. Refer to page 44 for the setting of the Auto setup function.

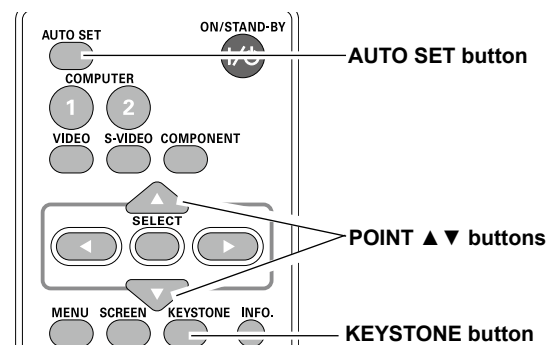
### ✓Notes:

- Auto Keystone corrects vertical distortion only; it does not correct horizontal distortion.
- Auto Keystone cannot work when Ceiling feature is set to **On** in the Setting menu (p.49).
- Perfect correction of the image distortion cannot be ensured with the Auto setup function. If the distortion cannot be 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 (p.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.30-31).

### Top Control



### Remote Control

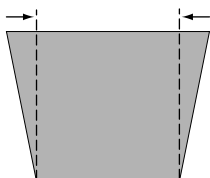


## Keystone Correction

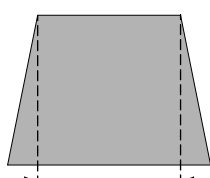
If a projected picture still has keystone distortion after pressing the AUTO SETUP button on the top control or the AUTO SET button on the remote control, correct the image manually as follows:

Press the KEYSTONE button on the remote control. The Keystone dialog box appears. Use the Point ▲ ▼ buttons to correct keystone distortion. The keystone adjustment can be stored (see page 45).

Reduce the upper width with the Point ▲ button.



Reduce the lower width with the Point ▼ button.



### Keystone



- The white arrows indicate that there is no correction.
- A red arrow indicates the direction of correction.
- An arrow disappears at the maximum correction.
- If you press the KEYSTONE button on the remote control once more while the keystone dialog box is being displayed, the keystone adjustment will be canceled.
- The adjustable range is limited depending on the input signal.

## Sound Adjustment

### Direct Operation

#### Volume

Press the VOLUME+/- buttons on the top control or on the remote control to adjust the volume. The volume dialog box appears on the screen for a few seconds.

#### Mute

Press the MUTE button on the remote control to select **On** to temporarily turn off the sound. To turn the sound back on, press the MUTE button again to select **Off** or press the VOLUME +/- buttons. The Mute function is also effective for the AUDIO OUT jack.

### Menu Operation

- 1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Sound**. Press the Point ► or the SELECT button to access the submenu items.
- 2 Use the Point ▲▼ buttons to select the desired submenu item and press the SELECT button to access the selected item.

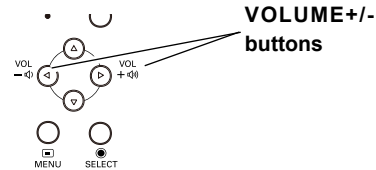
#### Volume

Press the Point ► button to turn up the volume; press the Point ◀ button to turn down the volume.

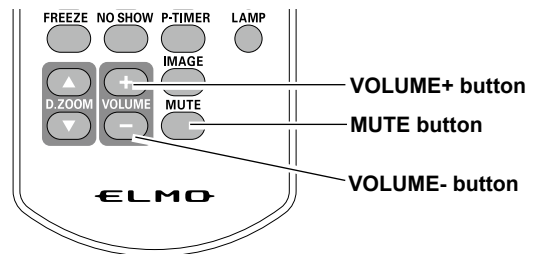
#### Mute

Press the SELECT button to switch the mute function **On/Off**. When the sound is turned off, **On** is displayed. Press the VOLUME +/- buttons again to turn the sound back on.

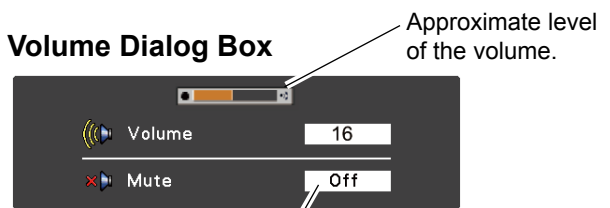
#### Top Control



#### Remote Control

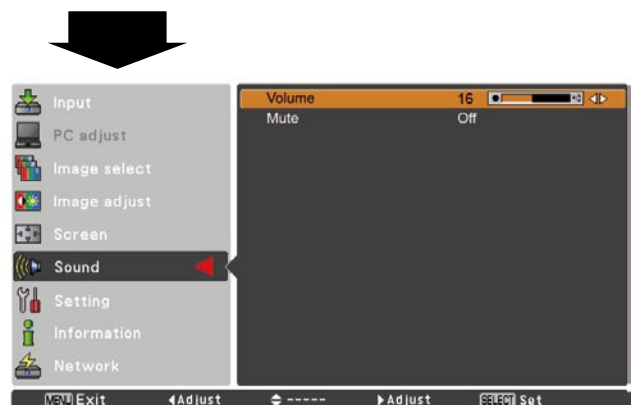


#### Volume Dialog Box



Press the MUTE button to set the Mute function **On** or **Off**. The dialog box disappears after 4 seconds.

#### Sound Menu



## Remote Control Operation

Using the remote control for some frequently used operations is advisable. Just pressing one of the buttons enables you to make the desired operation quickly without calling up the On-Screen Menu.

### COMPUTER 1/2, VIDEO, S-VIDEO and COMPONENT buttons

Press the COMPUTER 1/2, VIDEO, S-VIDEO and COMPONENT buttons on the remote control to select the input source. See pages 27, 36-37 for details.

### FREEZE button

Press the FREEZE button on the remote control to freeze the picture on the screen, meanwhile, volume is muted. To cancel the Freeze function, press the FREEZE button again or press any other button.

Fig.1 will appear on the Screen menu while the Freeze function is working.

Fig.1



### INFO. button

Display the input source information: **Input**, **H-sync freq.**, **V-sync freq.**, **Screen**, **Language**, **Lamp status**, **Lamp counter**, **Power management**, **Keylock**, **PIN code lock** and **Remote control** (p.58).

### D.ZOOM buttons

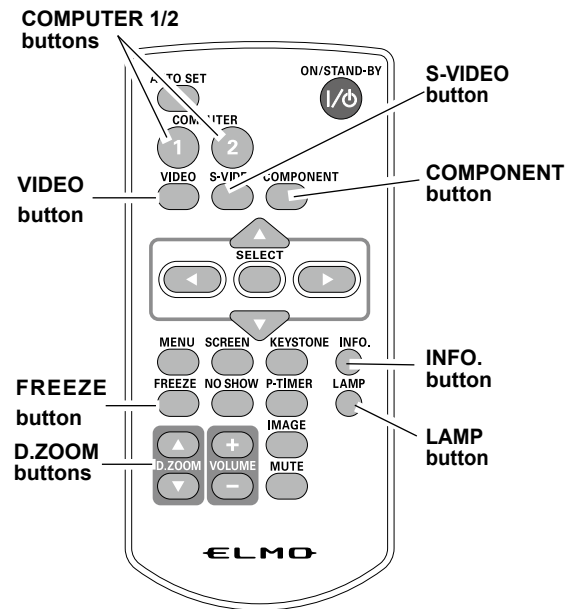
Press the D.ZOOM buttons on the remote control to enter to the Digital zoom +/- mode. See page 35 for details.

### LAMP button

Press the LAMP button on the remote control to select the lamp mode for changing the brightness on the screen.

- 💡 High ..... Brighter than the Normal mode.
- 💡 Normal ..... Normal brightness
- 💡 Eco ..... Lower brightness reduces the lamp power consumption and extends the lamp life.

### Remote Control



#### ✓Note:

See the next page for the description of other buttons.

### 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.47), the screen changes each time you press the NO SHOW button as follows.

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

#### ✓Note:

When use the MUTE button to release the No Show function, the mute function can not be operated at the same time.

### P-TIMER button

Press the P-TIMER button on the remote control to operate the Count up/Count down function. Refer to p.51 for detail of Setting for the P-timer function.

To stop the count time, press the P-TIMER button.

To cancel the P-timer function, press and hold the P-TIMER button.

### IMAGE button

Press the IMAGE button on the remote control to select a desired image mode of the screen. See pages 32, 39 for details.

### SCREEN button

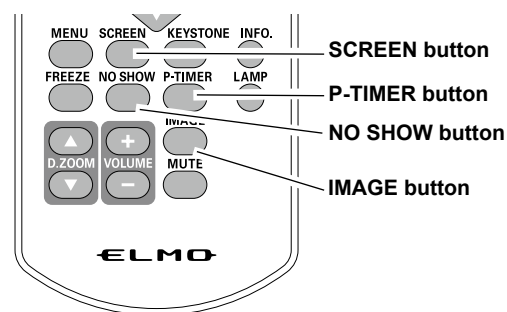
Select the screen size (See pages 34-35, 42 for details).



No show disappears after 4 seconds.



P-Timer display



#### ✓Note:

See the previous page for the description of other buttons.

# Computer Input

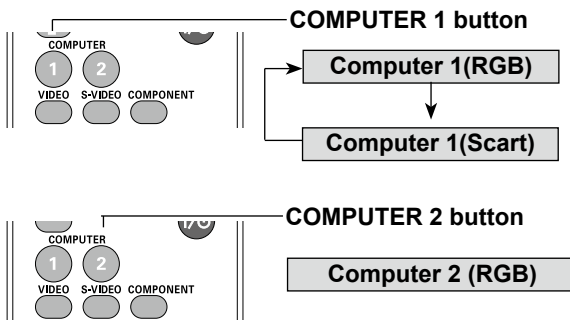
## Input Source Selection (RGB: Computer 1/Computer 2)

### Direct Operation

Choose either **Computer 1(RGB)** or **Computer 2(RGB)** by pressing the COMPUTER 1 or COMPUTER 2 button on the remote control.

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

### Remote Control



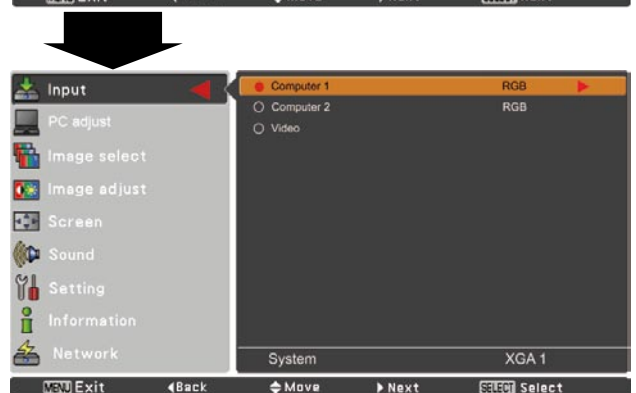
### Menu Operation

- 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 **Computer 1**.
- 3 When **Computer 1** is selected, press the Point ► button to access the submenu items. Use the Point ▲▼ buttons to select the RGB input source and then press the SELECT button.

### ✓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.44).

### Input Menu



## 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** When 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.30-31).
- There is no signal input from the computer. Check the connection between your computer and the projector. (See "Troubleshooting" on p.64.)
- Mode 1** The preset system is manually adjusted in the PC adjust Menu. The adjusted data can be stored in **Mode 1–10** (pp.30-31).
- SVGA 1** PC Systems provided in this projector is chosen. The projector chooses a proper system provided in the projector and displays it.

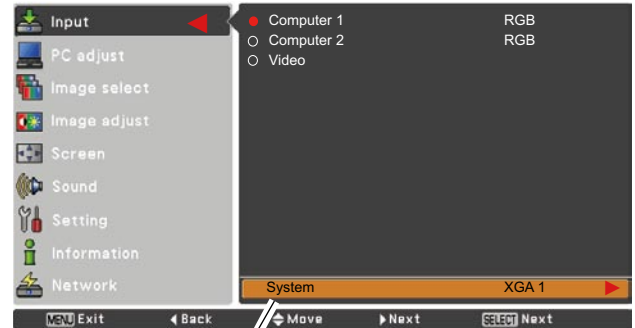
\*Mode 1 and SVGA 1 are examples.

### Selecting Computer System Manually

PC system can also be selected manually.

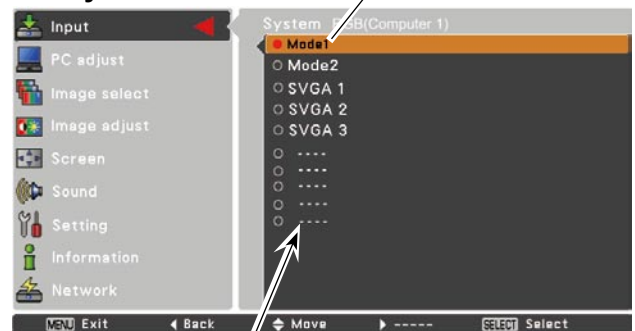
- 1** Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **Input** and then press the Point ► or the SELECT button.
- 2** Use the Point ▲▼ buttons to select **System** and then press the Point ► or the SELECT button.
- 3** Use the Point ▲▼ buttons to select the desired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

### PC System Menu



The PC System Menu  
Selected system is  
displayed.

### 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** positions to conform to your computer.

### Menu Operation

#### Auto PC adj.

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

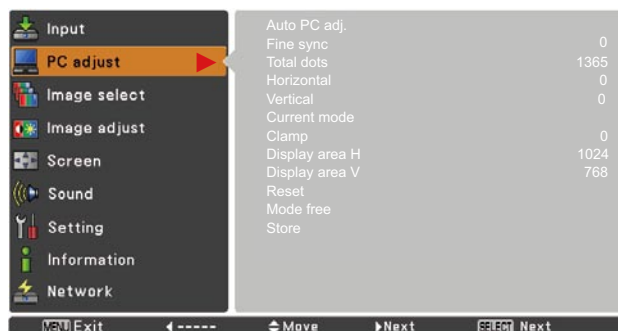
#### To store adjustment parameters

The adjusted parameters from the Auto PC Adjustment can be stored in the projector. Once the parameters are stored, the setting can be done just by selecting a **Mode (1–10)** in the PC System Menu (see page 28). See also “Store” on page 31.

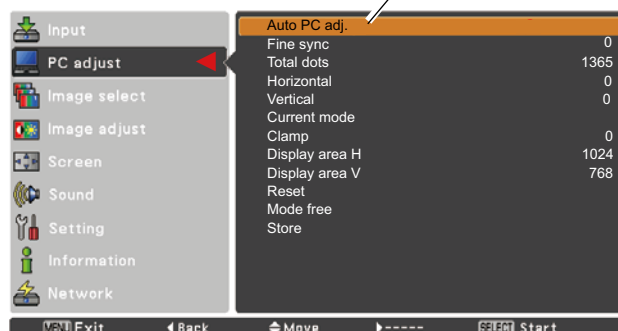
#### ✓Note:

- **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.30-31).
- The Auto PC Adjustment cannot be operated when **480i**, **575i**, **480p**, **575p**, **720p**, **1035i** or **1080i** is selected in the PC System Menu (p.28).

#### 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 five independent memory areas to store those parameters manually adjusted. It allows you to recall the setting for a specific computer.

- 1 Press the MENU button to display the On-Screen Menu. Use the Point ▲▼ buttons to select **PC adjust** and then press the Point ► or the SELECT button.
- 2 Use the Point ▲▼ buttons to select the desired item and then press the SELECT button to display the adjustment dialog box. Use the Point ◀▶ buttons to adjust the setting value.

### 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.

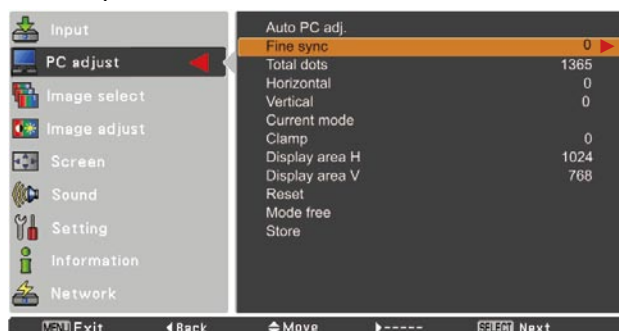
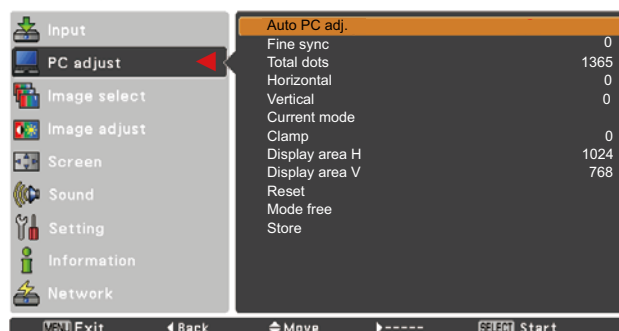
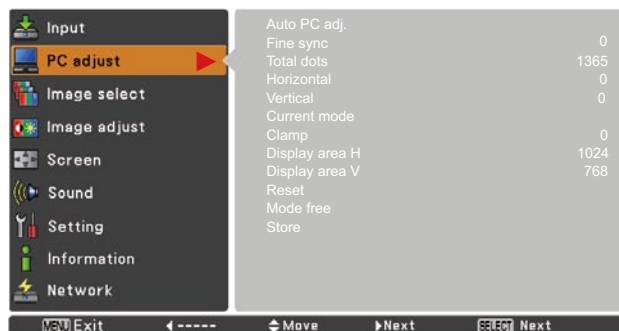
### Display area H

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



## Reset

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

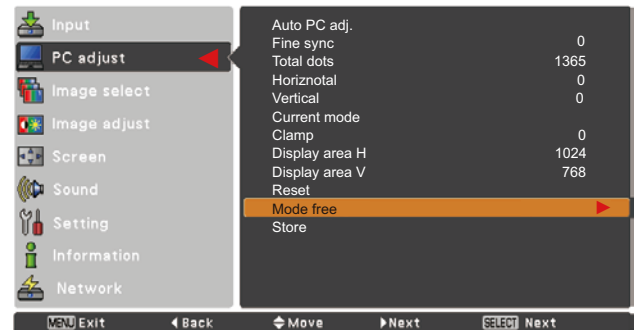
## Mode free

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

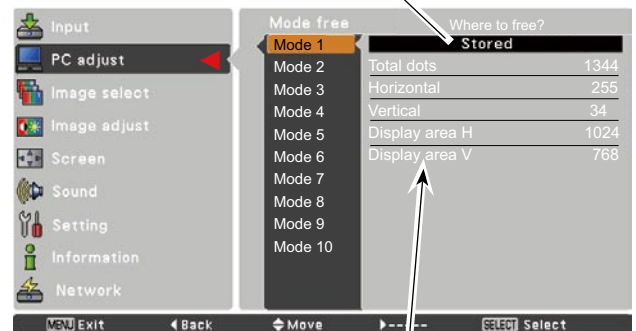
## Store

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

### Mode free

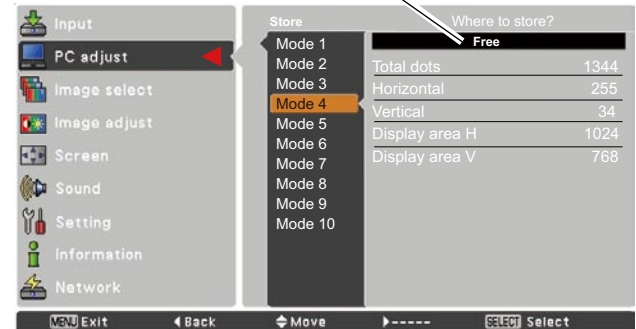


This Mode has stored parameters.



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

### Store



Press MENU button to close this dialog box.

Press SELECT button to store the data.

### ✓Note:

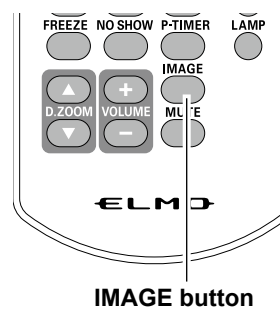
- **Display area (H/V)** cannot be selected when **480i**, **575i**, **480p**, **575p**, **720p**, **1035i** or **1080i** is selected in the PC System Menu (p.28).
- When input computer signal to the projector, **PC adjust** will become available.

## Image Mode Selection

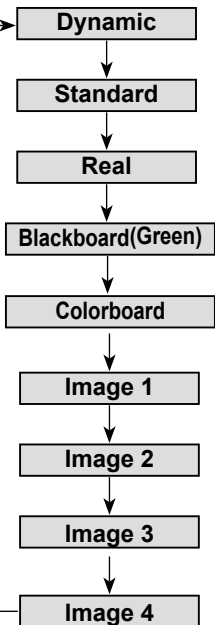
### Direct Operation

Select the desired image mode among **Dynamic**, **Standard**, **Real**, **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



### Menu Operation

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

#### Dynamic

For viewing pictures in a bright room.

#### Standard

Normal picture mode preset on the projector.

#### Real

Picture mode with improved halftone for graphics.

#### Blackboard (Green)

For the image projected on a blackboard.  
This mode helps enhance the image projected on a blackboard. This is mainly effective on a green colored board, not truly effective on a black colored board.

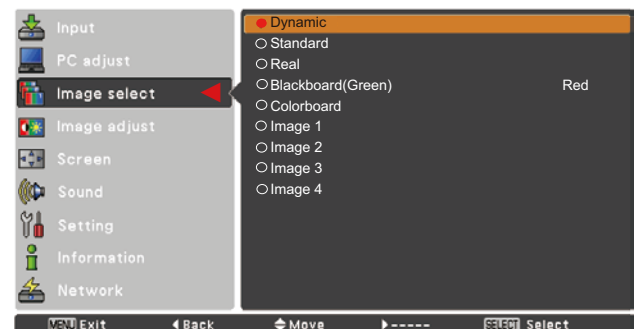
#### Colorboard

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 33-34). 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 select the desired item and then press the SELECT button to display the adjustment dialog box. Use the Point ◀▶ buttons to adjust the setting value.

### Contrast

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

### Brightness

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

### Color temp.

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

### White balance (Red)

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

### White balance (Green)

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

### White balance (Blue)

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

### Sharpness

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

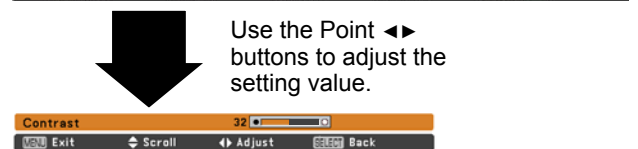
### Gamma

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

### Reset

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

### Image Adjust Menu



### ✓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 **►** 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 32.

## Screen Size Adjustment

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

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

### Normal

Provide the image to fit the screen size.

### True

Provide the image in its original size. When the original image size is larger or smaller 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.

### Wide

Provide the image to fit the wide video aspect ratio (16:9) by expanding the image width uniformly. This function can be used for providing a squeezed video signal at 16:9.

### Full

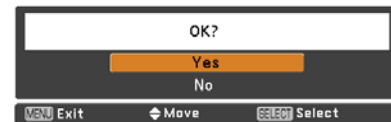
Provide the full screen image.

### Custom

Provide the last stored aspect screen image.

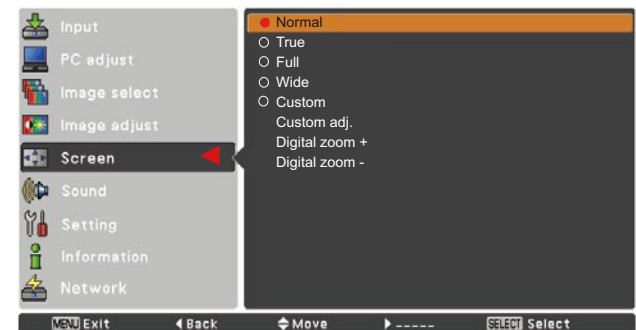
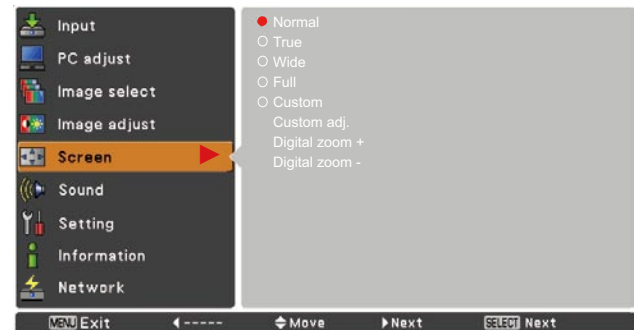
### ✓Note:

- The Screen Menu, only **Normal** and **Custom** can be operated, **Wide** will be disabled and displayed in gray when **720p**, **1035i**, or **1080i** is selected in the PC System Menu (p.28).
- This projector cannot display any resolution higher than 1920 x 1200. If your computer's screen resolution is higher than it, reset the resolution to the lower before connecting to the projector.
- The image data in other than 1024 x 768 is modified to fit the screen size in initial mode.
- **True**, **Full**, and **Digital zoom +/-** are disabled and cannot be displayed when **480i**, **575i**, **480p** or **575p** is selected in the PC System Menu (p.28).



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

## Screen Menu



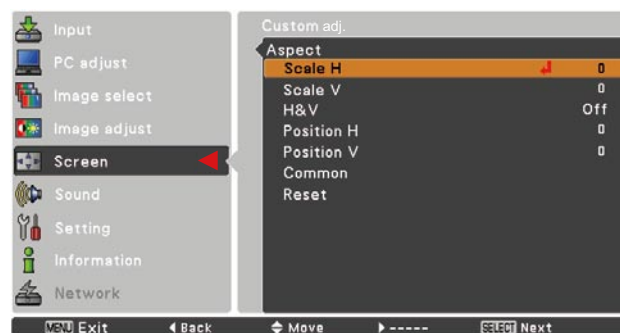


## Custom adj.

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 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**.



### ✓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.

## For zooming in and out the images

### Digital zoom +

Select **Digital zoom +**. The On-Screen Menu disappears and **D. zoom +** appears. Press the SELECT button to expand the image size. Use the Point ▲▼◀▶ buttons to pan the image. The Panning function can work only when the image is larger than the screen size.

A projected image can be also expanded by pressing the D.ZOOM ▲ or the SELECT button on the remote control.

### Digital zoom –

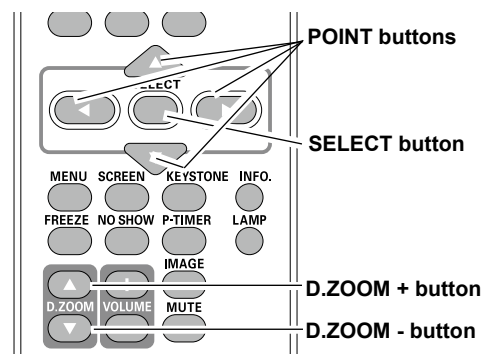
Select **Digital zoom –**. The On-Screen Menu disappears and **D. zoom –** appears. Press the SELECT button to compress image size.

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, SELECT and Point buttons.

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

## 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**, **Full**, and **Digital zoom +/-** cannot be selected when **480i**, **575i**, **480p** or **575p** is selected in the PC System Menu (p.28).
- Digital zoom +/-** cannot be selected when **Full** or **True** is selected.
- When **Custom** is selected, the Digital zoom - function is disabled.

# Video Input

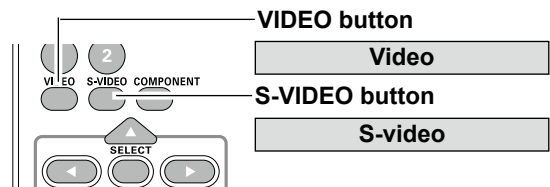
## Input Source Selection (Video, S-video)

### Direct Operation

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

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

### Remote Control

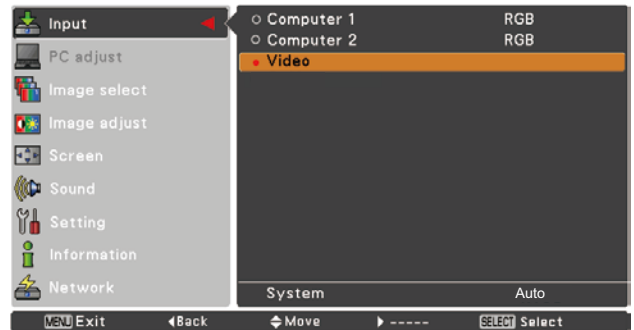


### Menu Operation

- 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 **Video** and then press the SELECT button.

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

### Input Menu

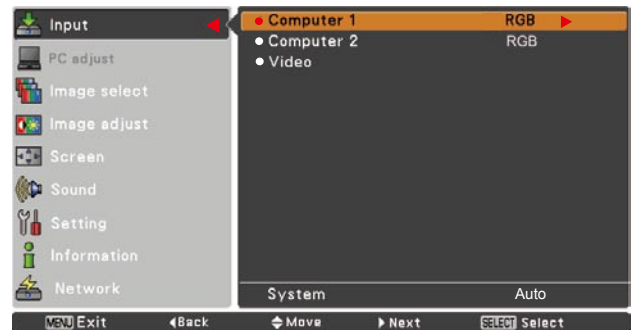


Use the Point ▲▼ buttons to select **Computer 1**. And then press the Point ► button to access the submenu items. Use the Point ▲▼ buttons to select the **S-video** and then press the SELECT button.

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

### ✓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.44).



Computer 1





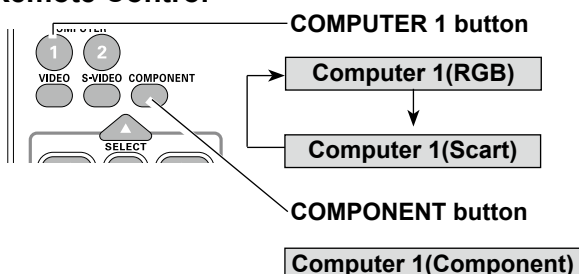
## Input Source Selection (Component, RGB Scart 21-pin)

### Direct Operation

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

Before using these buttons, 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 **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.

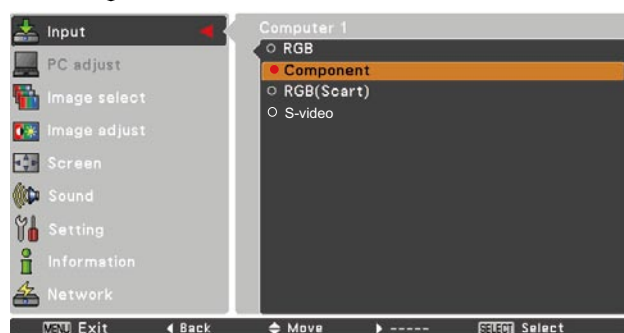
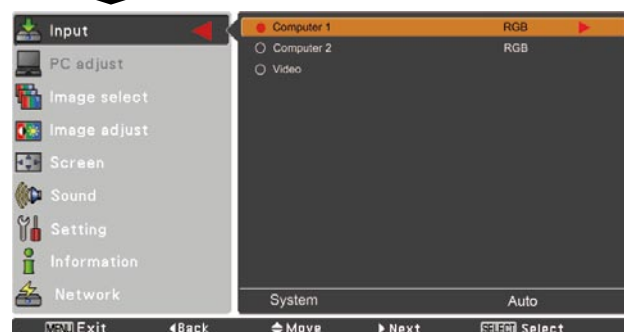
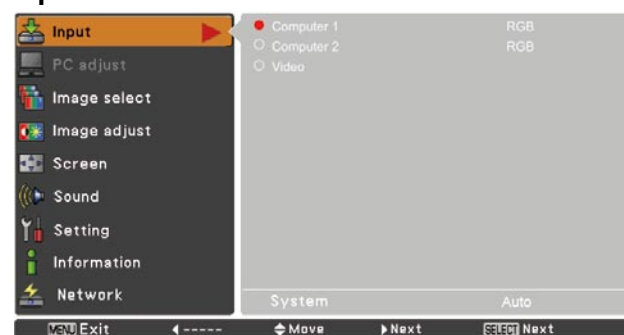
**Component** When the input source is coming from video equipment connected to the COMPUTER IN 1/S-VIDEO IN/COMPONENT IN terminal with a Component-VGA Cable, select **Component**.

**RGB (Scart)** When the input source is coming from video equipment connected to the COMPUTER IN 1/S-VIDEO IN/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.44).

### Input Menu



## 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 Select **Video**, **S-video** or **Computer 1(Component)** input source. (See pages 36-37)
- 3 Use the Point ▲▼ buttons to select **System** and then press the Point ► or the SELECT button. Use the Point ▲▼ buttons to select the desired system and then press the SELECT button.

### Video or S-video

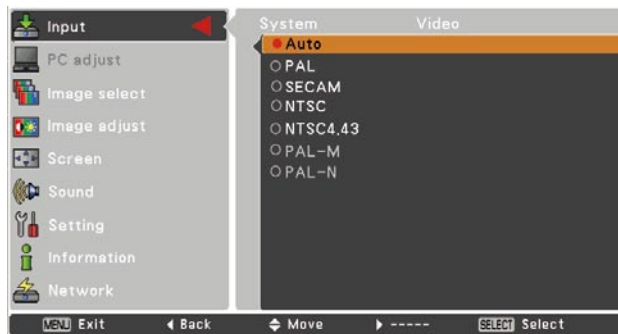
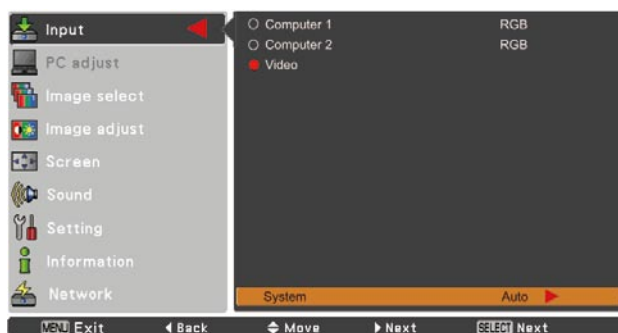
#### Auto

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

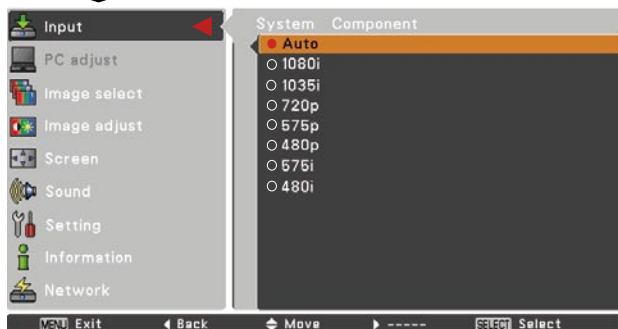
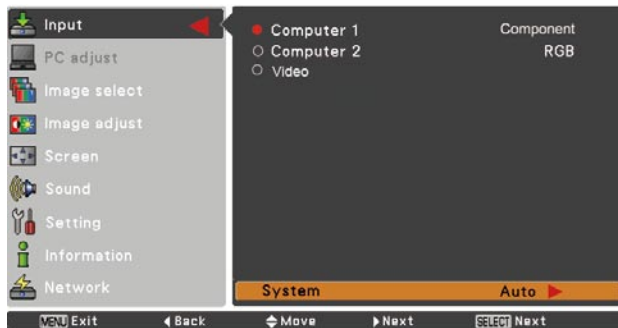
#### Auto

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

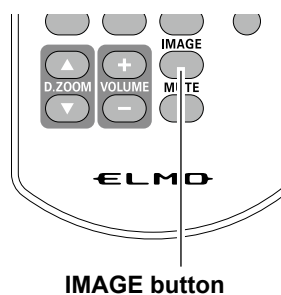
### Direct Operation

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

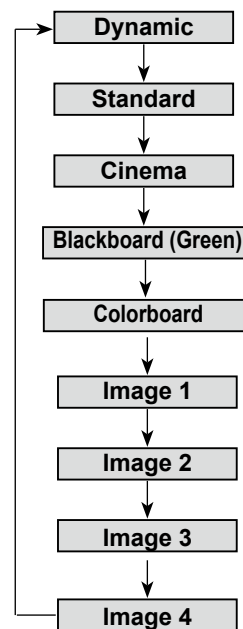
### Menu Operation

- 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.

### Cinema

Picture mode adjusted with fine tone.

### Blackboard (Green)

For the image projected on a blackboard.  
This mode help enhance the image projected on a blackboard. This is mainly effective on a green colored board, not truly effective on a black colored board.

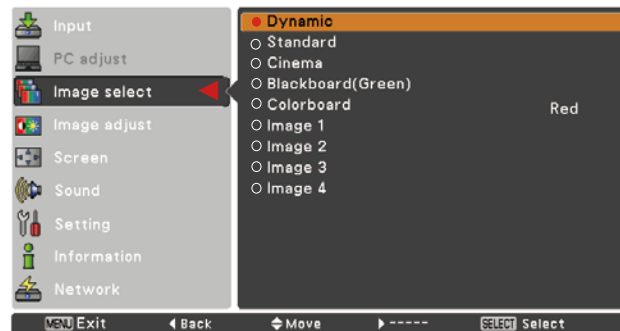
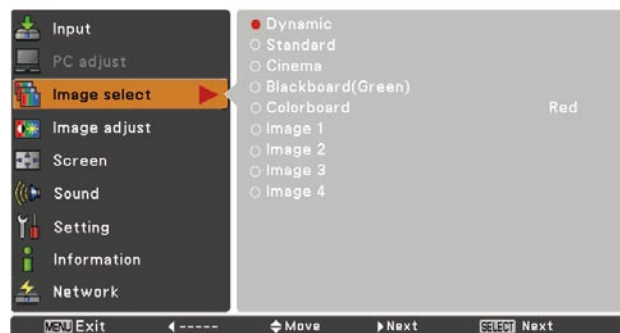
### Colorboard

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 40-41). This Image memory is provided in each computer, scart, 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 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 (High, Mid, Low, or XLow).

### White balance (Red)

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

### White balance (Green)

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

### White balance (Blue)

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

### ✓Note:

- When 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.38).
- When **Blackboard(Green)** or **Colorboard** is selected in Image select, **Color temp.** will change to **Blackboard** or **Colorboard**.

### Image Adjust Menu



Selected Image mode



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



### Sharpness

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

### Gamma

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

### Noise reduction

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

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

### Progressive

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

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

### Reset

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

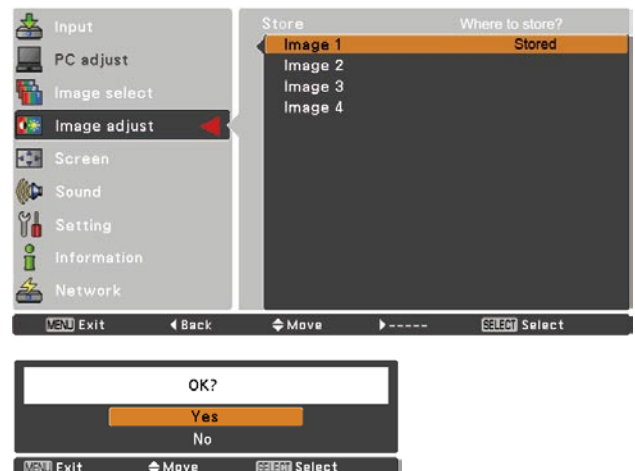
### Store

To store the adjusted data, select **Store** and press the Point ▶ 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 39.

#### ✓Note:

**Noise reduction** and **Progressive** cannot be selected when **480p**, **575p**, **720p**, **1035i** or **1080i** is selected (p.38).

### 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 while maintaining the aspect ratio of the input signal.

### Wide

Modify the 4:3 aspect ratio image to fit the screen size (16:9 aspect ratio) by stretching the image.

### Custom

Provide the last stored aspect screen image.

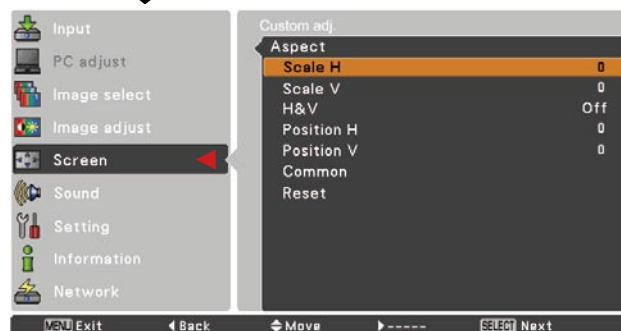
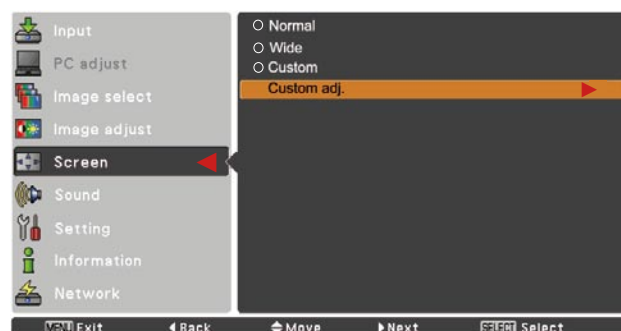
### Custom adj.

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 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.
- The adjustable range for **Scale H/V** and **Position H/V** is limited depending on the input signal.
- **Wide** cannot be operated when **720p**, **1035i** or **1080i** is selected in the AV System Menu (p.38).



# Setting

## Setting

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

- 1 Press the MENU button to display the On-Screen Menu. Press the Point ▲▼ buttons to select **Setting** and press the Point ► or the SELECT button to access the submenu items.
- 2 Use the Point ▲▼ buttons to select the desired item and then press the Point ► or the SELECT button to access the selected item.
- 3 Use the Point ▲▼ buttons select the desired item and then press the SELECT button.

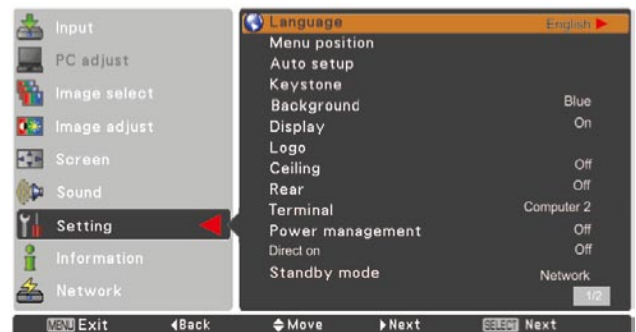
### Setting Menu



### Language

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

### Language



### 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 SELECT button as follows.  
the top left → the top right → the center → the bottom left → the bottom right → the top left.....



## 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 does not work.

**On1** ..... Input search works under the following situation.

- When pressing the AUTO SETUP button on the top control.
- When pressing 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 SET button on the remote control.
- When pressing the AUTO SETUP button on the top control.
- When the current input signal is cut off.\*

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

### Auto PC adj.

**On** ..... Enables Auto PC Adjustment when pressing the AUTO SET 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.

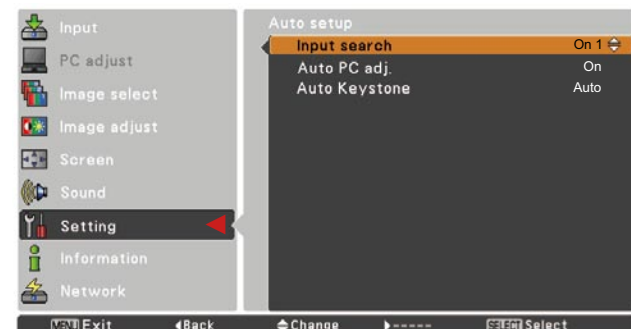
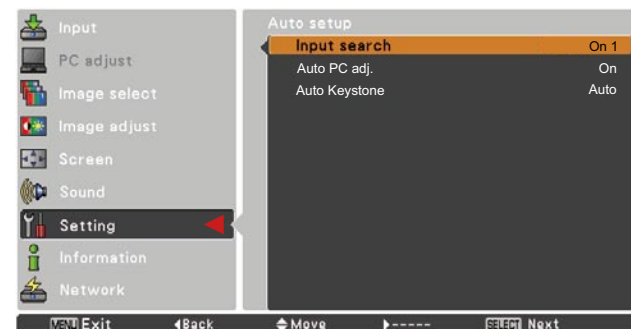
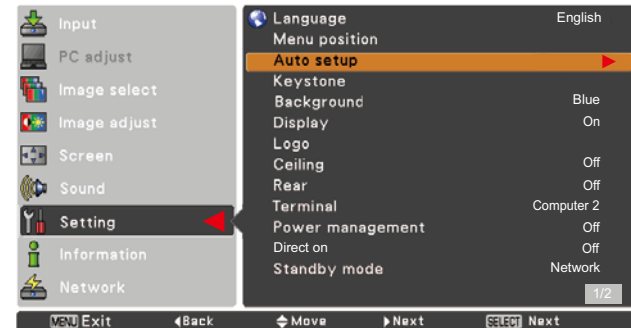
**Manual** ... Works only when pressing the AUTO SETUP button on the top control or the AUTO SET button on the remote control.

**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.
- During **Input search** is in progress, If the MENU button or the ON/STAND-BY button is pressed, **Input search** will stop. If the COMPUTER 1/2 button or VIDEO or COMPONENT or S-VIDEO button is pressed, **Input search** will stop and go back to the button's input signal.
- **Input search**, **Auto PC adj.** and **Auto Keystone** cannot be set **Off** at the same time.

## Auto setup



### ✓Note:

- **Auto Keystone** corrects vertical distortion only, not correct horizontal distortion.
- The Auto Keystone function cannot work when the **Ceiling** feature is set **On** in the Setting menu (p.49).
- 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 the AUTO SET button, adjust manually by pressing the KEYSTONE button on the remote control or selecting **Keystone** in the Setting menu (pp.23, 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.30-31).



### 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

**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.

### 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.20)
- P-Timer display. (p.26)
- **No signal** for Power management (p.50)
- **Please wait ...**
- Arrows for the True function in the Screen Menu. (p.34)

### Keystone

