

Logo (Logo and Logo PIN code lock settings)

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

✓Note:

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

Logo select

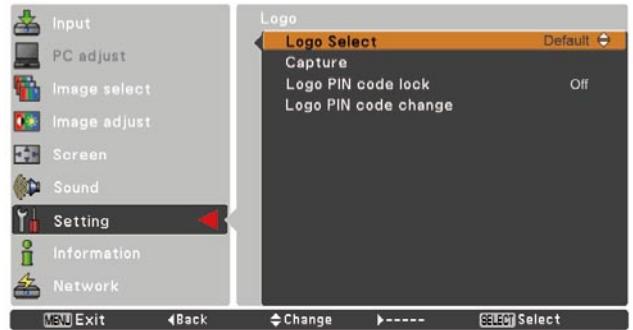
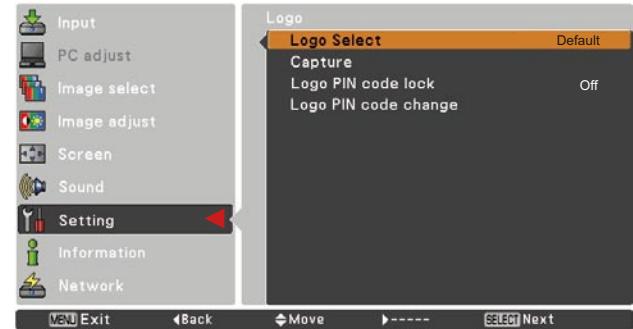
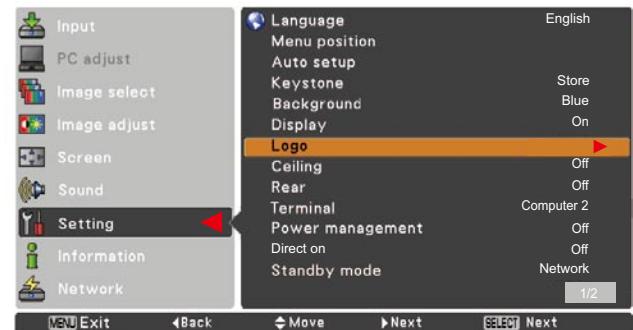
This function decides on the starting-up display from among following options.

User Show the image you captured.

Default Show the factory-set logo.

Off Show the countdown display only.

Logo select



Capture

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

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

After capturing the projected image, go to the Logo select function and set it to **User**. Then the captured image will be displayed the next time you turn on the projector or when you press the **NO SHOW** button. (see page 26)

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.32, 39).
- 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** cannot be selected, you can only switch between **Default** and **Off**.

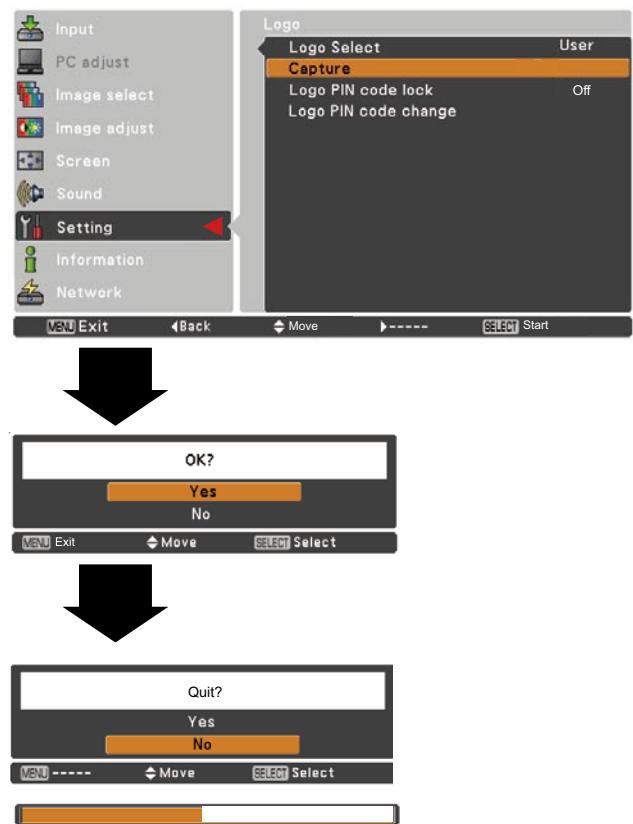
Logo PIN code lock

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

Off The screen logo can be changed freely from the Logo Menu (p.46).
On The screen logo cannot be changed without a Logo PIN code.

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

Capture



Logo PIN code lock



Enter a Logo PIN code

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

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

After entering the four-digit number, move the pointer to **Set**. Press the **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

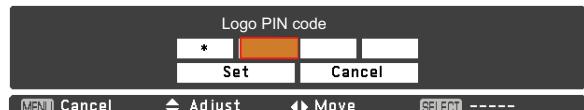
Logo PIN code can be changed to your desired four-digit number. Press the **SELECT** button to select **Logo PIN code change**. **Current Logo PIN code** dialog box appears, use the Point **▲▼** buttons to enter the correct code. The **New Logo PIN code** input dialog box appears. Set a new Logo PIN 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:

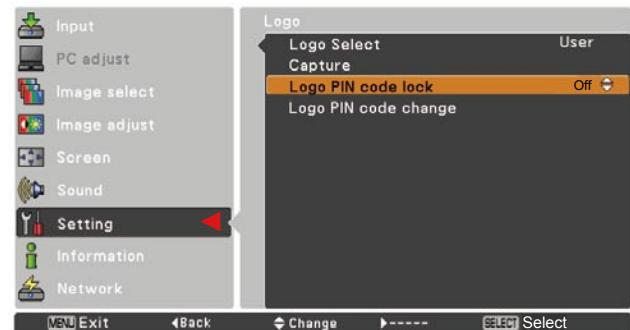
WHEN YOU HAVE CHANGED THE LOGO PIN CODE, WRITE DOWN THE NEW PIN CODE IN COLUMN OF THE LOGO PIN CODE NO. MEMO ON PAGE 76 , AND KEEP IT SECURELY. SHOULD THE LOGO PIN CODE BE LOST OR FORGOTTEN, THE LOGO PIN CODE SETTING CAN NO LONGER BE CHANGED.

Enter a Logo PIN code

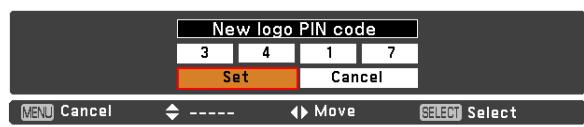
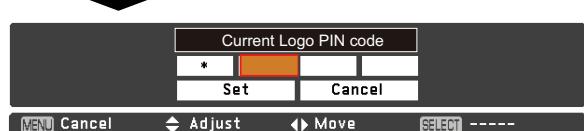
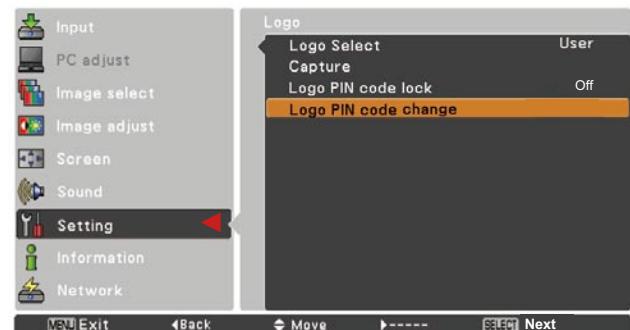


After a correct Logo PIN code is entered, the following dialog box appears.

Change the Logo PIN code lock setting



Change the Logo PIN code

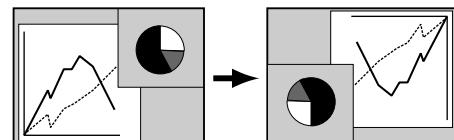
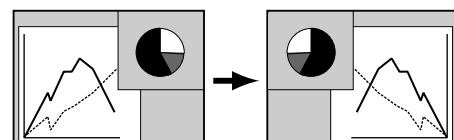


Ceiling

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

Rear

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

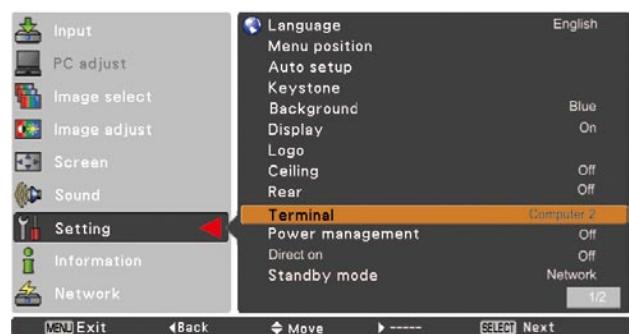
Ceiling**Rear****Terminal**

The COMPUTER IN 2/MONITOR OUT terminal on the back of the projector is switchable for computer input or monitor output. (See page 9) Select **Computer 2** or **Monitor Out** with the Point **▲▼** buttons.

Computer 2 . . . computer input

Monitor Out . . . monitor out

Terminal function is not available when selecting **Computer 2** to the input source. Change the input source to the others (**Computer 1**, and so on) so that the Terminal function will be available. (p.25, 36, 37)

Terminal**Input**

Power management

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

Select one of the following options:

- Ready** When the lamp has been fully cooled down, the POWER indicator changes to green blinking. In this condition, the projection lamp will be turned on if the input signal is reconnected or any button on the top control or remote control is pressed.
- Shut down** When the lamp has been fully cooled down, the power will be turned off.
- Off** Power management function is off.
- Timer** If the input signal is interrupted and no button is pressed for more than 30 seconds, the timer display with **No signal** appears. It starts the countdown until the lamp is turned off. Use the Point **▲▼** buttons to set the Timer(1~30min).

✓Note:

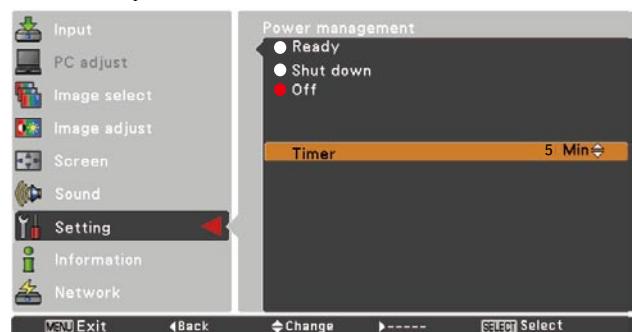
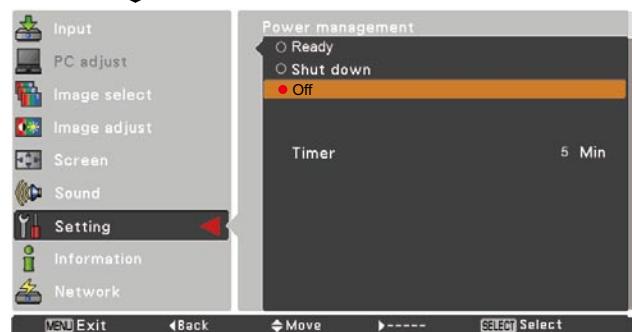
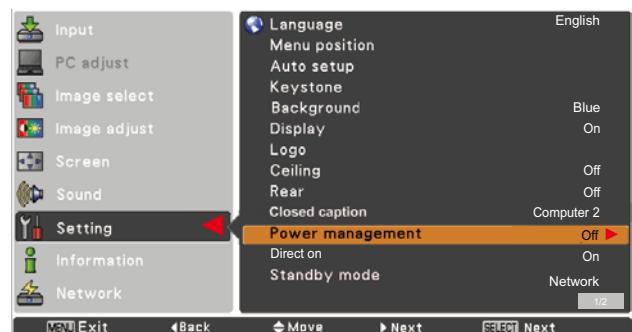
Factory default is **Ready: 5 min.**

Power management

No signal

04 : 50

Time left before Lamp is off.



Direct on

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

✓Note:

- Be sure to turn off the projector properly (see “Turning Off the Projector” on page 20). If the projector is turned off in the incorrect sequence, the Direct on function will not work properly.

Standby mode

This function is available when operating the projector via network.

Network Supply the power to the network function even after turning off the projector by pressing the ON/STAND-BY button on the remote control. You can turn on/off the projector via network, modify network environment, and receive an e-mail about projector status while the projector is powered off.

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

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

✓Note:

- When selecting **Network**, the cooling fans may be running depending on the temperature inside the projector even if the projector is turned off.
- When **Eco** mode is selected and the projector is in Standby, the communication of RS-232C serial port is not available.

P-timer

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

Select one of the following options:

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

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

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

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

Reset Reset the P-timer values. Press the **SELECT** button at **Reset** to return to the following value;

Count up ... "000:00"

Count down ... Timer that you set

Exit To exit the P-timer operation.

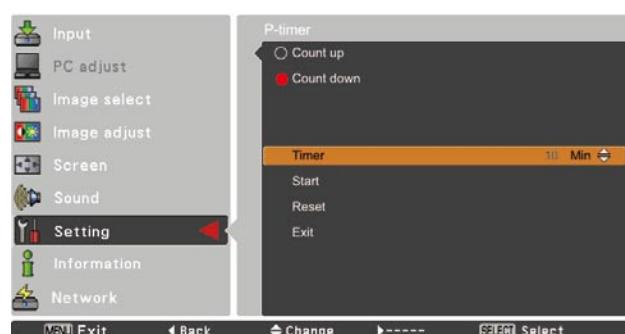
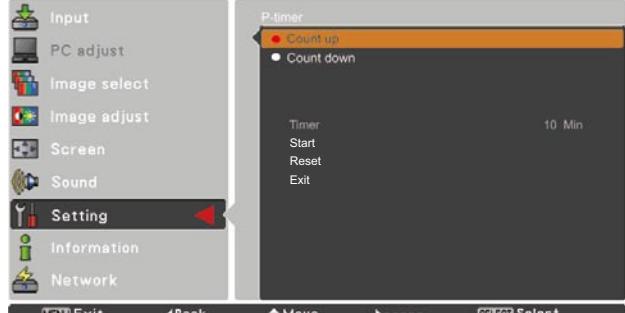
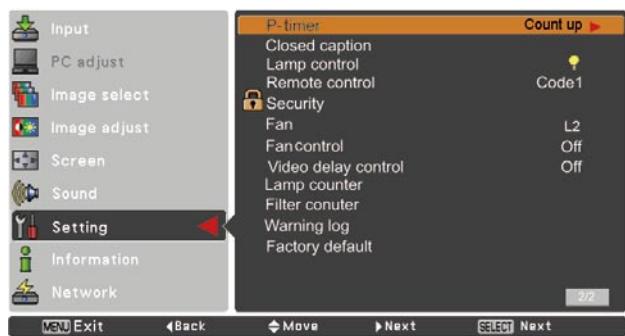
Notes on using the document camera:

- The projector can supply 12V DC power to the document camera at Network mode. When using the document camera, set Standby mode to Network.
- When DC OUT 12V jack is plugged in, the cooling fans are running at Network mode even if the projector is in standby mode.

P-TIMER



P-timer display



Stop or Cancel the P-timer via Remote Control

To stop the P-timer, press the P-TIMER button.

To cancel the P-timer, press and hold the P-TIMER button for a few seconds.

Closed Caption

Closed Caption is a printed version of the program sound or other information displayed on the screen. If the input signal contains closed captions, you can turn on the feature and switch the channels. Press the Point **▲▼** buttons to select **Off, CC1, CC2, CC3 or CC4**.

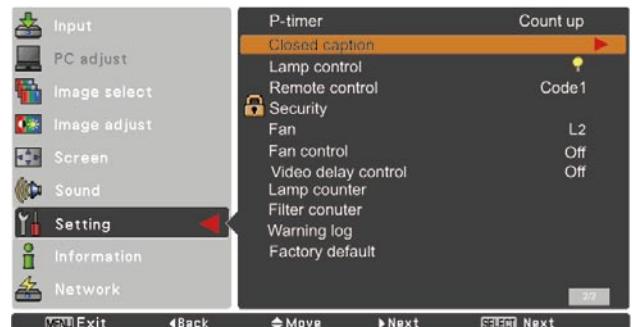
If the closed caption is not clear, you can change the text from **Color** to **White**.

✓Note:

The Closed Caption is available only under the situation below.

- When the input signal is Component (for adjustment only), Video or S-video, and the system is set to Auto, NTSC or 480i, the Closed caption is available.
- If the system is set to Auto, and choose NTSC or 480i as the input signal, the Closed caption will be available.
- Closed Caption will be unavailable when under other setting conditions.
- The Closed caption is unavailable when On-Screen menu and P-timer are displayed.
- The item of Closed Caption is displayed in gray while it is not available.

Closed Caption



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

Lamp control

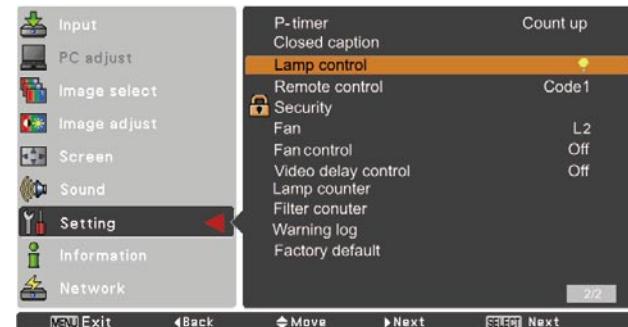
This function allows you to change brightness of the screen.

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

✓Note:

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

Lamp control



Remote control

This projector provides two different remote control codes: the factory-set initial code (**Code 1**) and the secondary code (**Code 2**). This switching function prevents remote control interference when operating several projectors or video equipment at the same time.

When operating the projector in **Code 2**, both the projector and the remote control must be switched to **Code 2**.

To change the code for the projector:

Select either **Code 1** or **Code 2** in this Setting Menu.

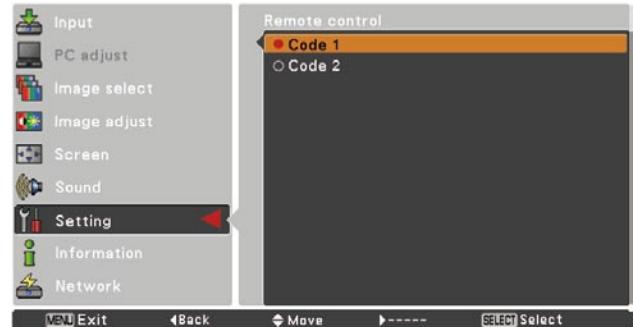
To change the code for the remote control:

Press and hold both the MENU and IMAGE buttons together for 5 seconds or more. After changing the code, make sure the remote control operates properly.

✓Note:

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

Remote control





Security (Key lock and PIN code lock)

This function allows you to use the Key lock and PIN code lock function to set the security for the projector operation.

Key lock

This function locks the top control and remote control buttons to prevent operation by unauthorized persons.

Select **Key lock** and then press the SELECT button, and select the desired item by pressing the Point **▲▼** buttons.



..... Unlocked.



..... Lock the operation of the top control. To unlock, use the remote control.



..... Lock the operation of the remote control. To unlock, use the top control.

✓Note:

- The projector does not accept signals from the remote control for the document camera ("L-1ex/ TT-02RX") when the remote control buttons for the projector are locked.

If the top control accidentally becomes locked and you do not have the remote control nearby or there is something wrong with your remote control, contact the dealer where you purchased the projector or the service center.

PIN code lock

This function prevents the projector from being operated by unauthorized persons and provides the following setting options for security.

Off Unlocked.

On1 Enter the PIN code every time turning on the projector.

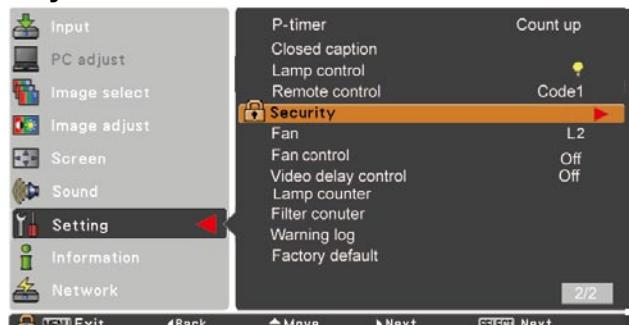
On2 Enter the PIN code to operate the projector once the power cord is disconnected; as long as the AC power cord is connected, the projector can be operated without a PIN code.

Whenever you change the PIN code lock setting or the PIN code (the four-digit number), you are required to enter the PIN code. The "1234" is set as the initial PIN code at the factory.

If you want to change the PIN code lock setting, press the SELECT button and the PIN code dialog box appears.

When the projector is locked with the PIN code, the Security icon appears on the guide.

Key lock



PIN code lock



Enter a PIN code

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

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

After entering the four-digit number, move the pointer to **Set**. Press the **SELECT** button so that you can change the following PIN code lock setting.

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

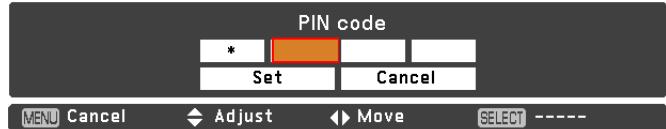
Change the PIN code lock setting

Use the Point **▲▼** buttons to select **Off**, **On1** or **On2**, and then press the **SELECT** button to make a choice.

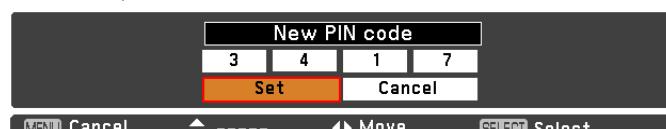
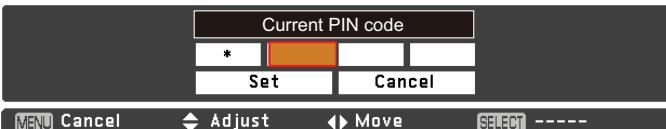
Change the PIN code

The PIN code can be changed to your desired four-digit number. Press the **SELECT** button to select **PIN code change**. Pin code dialog box appears, use the Point **▲▼** buttons to enter the correct code. The New PIN code input dialog box appears. Set a new PIN code.

Enter a PIN code



Change the PIN code



CAUTION:

WHEN YOU HAVE CHANGED THE PIN CODE, WRITE DOWN THE NEW PIN CODE IN COLUMN OF THE PIN CODE NO. MEMO ON PAGE 76, AND KEEP IT SECURELY. IF YOU FORGET YOUR PIN CODE, THE PROJECTOR CAN NO LONGER BE STARTED.

Fan

This function provides the following options in the cooling fans' operation when the projector is turned off (p.20).

- L1** Normal operation
- L2** Slower and lower-sound than the normal operation (**L1**), but it takes more time to cool the projector down.

Fan control

Choose the running speed of cooling fans from the following options according to the ground elevation under which you use the projector.

- Off** Normal speed. Set this function to Off when using the projector in non-high altitude environment.
- On1** Faster than Off mode. Select this mode when using the projector in high altitudes (about 1,000 meters to 2,000 meters above the sea level) where the fans have less cooling effect.
- On2** Faster than On1 mode. Select this mode when using the projector in higher altitudes (about 2,000 meters to 3,000 meters above the sea level) where the fans have lesser cooling effect.

✓Note:

The fan noise becomes louder in On1 and On2.

Video delay control

When you want to make a digital processing of a projected image faster, set this function.

Use the Point **▲▼** buttons, select an item of **Off** or **On**.

✓Note:

Noise reduction and **Progressive** can not be selected when **Video delay control** is set to **On**.

Lamp counter

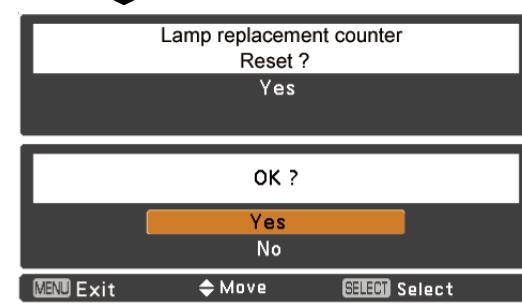
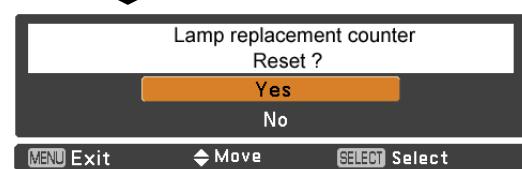
Be sure to reset the Lamp replacement counter after the lamp is replaced. (p. 62)

Press the Point **▲▼** buttons to choose the Lamp counter function and then press the Point **▶** or the SELECT button to access the submenu items.

Lamp counter This item shows the total accumulated time of the lamp usage.

Lamp counter reset Press the SELECT button to choose **Lamp counter reset**. Select **Yes** in the confirmation box if you want to reset the lamp counter, and then choose **Yes** in the second confirmation box to reset lamp counter.

Lamp counter reset



Filter counter

This function is used to set a frequency for the filter cleaning.

When the projector reached a specified time for cleanings, a Filter warning icon appears on the screen, notifying the cleaning is necessary. After cleaning the filter, be sure to select **Reset** and set the timer. The Filter warning icon will not turn off until the filter counter is reset.

For details about resetting the timer, refer to “Resetting the Filter Counter” on page 60.

Fig.1 Filter warning icon

Filter warning



Filter warning icon appears on the screen at a set time.

✓**Note:**

This icon also appears at turning on.

✓**Note:**

The Filter warning icon (Fig.1) will not appear when the Display function is set to **Off** (p.45), during **Freeze**(p.25), or **No show** (p.26).

Warning log

This function records anomalous operations while the projector is in operation and use it when diagnosing faults. Up to 10 warning logs are displayed with the latest warning message at the top of the list, followed by previous warning messages in chronological order.

✓**Note:**

When the Factory default function is executed, all the warning log records will be deleted.

Factory default

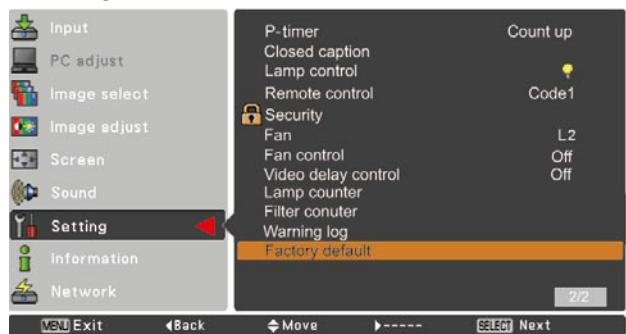
This function returns all setting values except for the **User logo**, **PIN code lock**, **Logo PIN code lock**, **Lamp counter** and **Filter counter** to the factory default settings.

Filter counter



Press the **SELECT** button to select **Timer**, and then use the Point **▲▼** buttons to set the timer. Select from **(Off/ 100H/ 200H/ 300H)** depending on the use environment.

Factory default



Information

Input Source Information Display

The Information Menu is used for checking the status of the image signal being projected and the operation of the projector.

Direct Operation

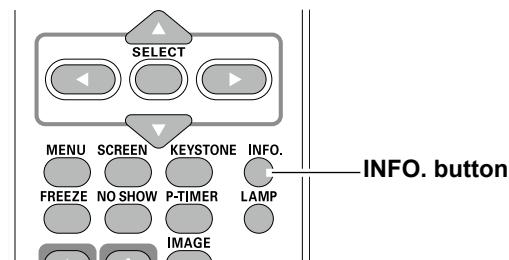
Press the INFO. button on the remote control to display the Information Menu.

Menu Operation

Press the Point **▲ ▼** buttons to select the Information. The Information Menu is displayed.

See below for displayed information.

Remote Control



Input

The selected input source is displayed.

H-sync freq.

The horizontal frequency of the input signal is displayed in **KHz**, or **---- KHz** when no signal.

V-sync freq.

The vertical frequency of the input signal is displayed in **Hz**, or **---- Hz** when no signal. Numbers of Hz doubles when during Interlace.

Screen

The selected screen size is displayed.

Language

The selected language is displayed.

Lamp status

The selected lamp mode is displayed.

Lamp counter

The cumulative lamp operating time is displayed.

Power management

Off, **Ready** or **Shut down**, and **Timer** are displayed.

Key lock

The selected Key lock icon is displayed.

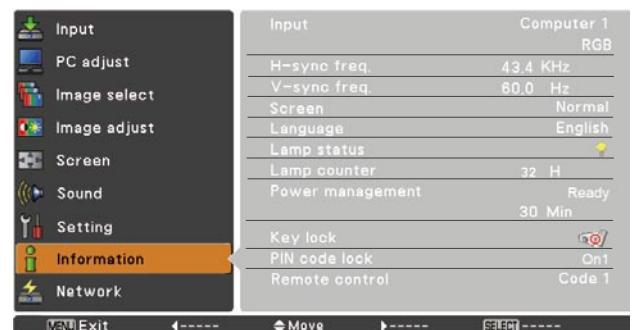
PIN code lock

Off or **On1** or **On2** is displayed.

Remote control

The selected remote code is displayed.

Information Menu



Maintenance and Cleaning

WARNING indicator

The WARNING indicator shows the state of the function which protects the projector. Check the state of the WARNING indicator and the POWER indicator to take proper maintenance.

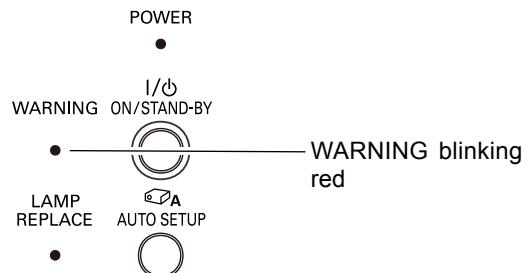
The projector is shut down and the WARNING indicator is blinking red.

When the temperature inside the projector reaches a certain level, the projector will be automatically shut down to protect the inside of the projector. The POWER indicator is blinking while the projector is being cooled down. When the projector has cooled down enough (to its normal operating temperature), it can be turned on again by pressing the ON/STAND-BY button.

✓Note:

The WARNING indicator continues to blink even after the temperature inside the projector returns to normal. When the projector is turned on again, the WARNING indicator stops blinking.

Top Control



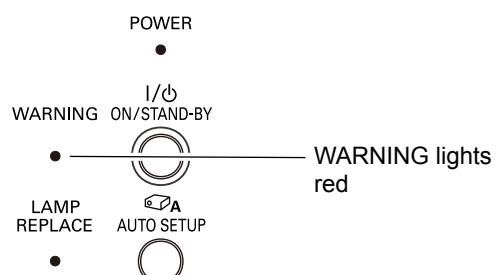
Then check the matters below:

- Did you provide appropriate space for the projector to be ventilated? Check the installing condition to see if the air vents of the projector are not blocked.
- Has the projector been installed near an Air-Conditioning/ Heating Duct or Vent? Move the installation of the projector away from the duct or vent.
- Is the filter clean? Clean the filter periodically.

The projector is shut down and the WARNING indicator lights red.

When the projector detects an abnormal condition, it is automatically shut down to protect the inside of the projector and the WARNING indicator lights red. In this case, unplug the AC power cord and reconnect it, and then turn the projector on once again to verify operation. If the projector cannot be turned on and the WARNING indicator still lights red, unplug the AC power cord and contact the service center.

Top Control



CAUTION

DO NOT LEAVE THE PROJECTOR WITH THE AC POWER CORD CONNECTED UNDER AN ABNORMAL CONDITION. IT MAY RESULT IN FIRE OR ELECTRIC SHOCK.

Cleaning the Filters

Filter prevents dust from accumulating on the optical elements inside the projector. Should the filters become clogged with dust particles, it will reduce cooling fans' effectiveness and may result in internal heat buildup and adversely affect the life of the projector. If a "Filter warning" icon appears on the screen, clean the filters immediately. Clean the filters by following the steps below.

- 1 Turn off the projector, and unplug the AC power cord from the AC outlet.
- 2 Remove the panel front assembly by pulling the latch horizontally. Remove the panel net by pulling the latch horizontally and then remove it leftward.
- 3 Clean the filters with a brush or rinse them softly.
- 4 When cleaning the filters by rinsing, dry them well. Replace the filters properly. Make sure that the filters are fully inserted.



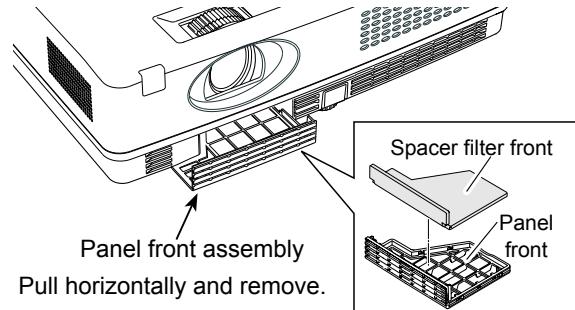
CAUTION

Do not operate the projector with the filters removed. Dust may accumulate on the optical elements degrading picture quality. Do not put anything into the air vents. Doing so may result in malfunction of the projector.

RECOMMENDATION

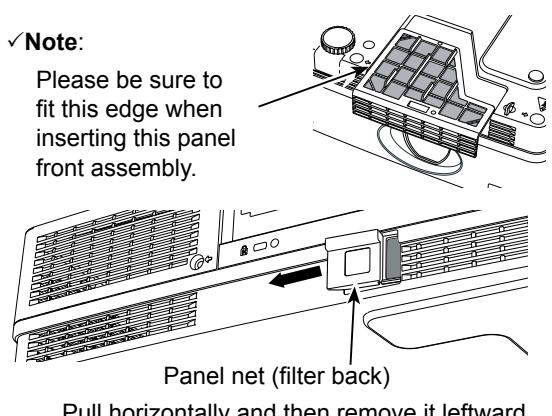
We recommend avoiding dusty/smoky environments when you operate the projector. Usage in these environments may cause poor image quality.

When using the projector under dusty or smoky conditions, dust may accumulate on a lens, LCD panels, or optical elements inside the projector degrading the quality of a projected image. When the symptoms above are noticed, contact your authorized dealer or service center for proper cleaning.

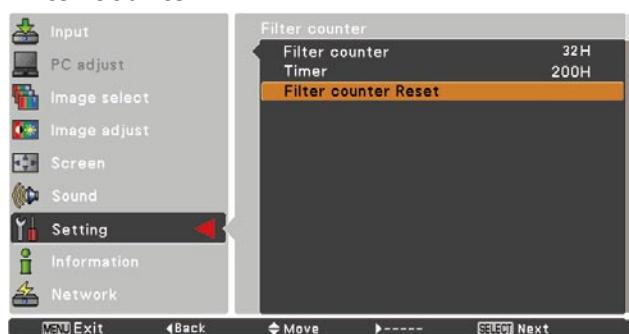


✓Note:

Please be sure to fit this edge when inserting this panel front assembly.



Filter counter



Filter counter Reset? appears.



Select Yes, then another confirmation box appears.

Select Yes again to reset the Filter counter.

Resetting the Filter Counter

Be sure to reset the Filter counter after cleaning or replacing the filters.

- 1 Press the MENU button to display the On-Screen Menu. Use the Point **▲▼** buttons to select **Setting** and then press the Point **▶** or the SELECT button.
- 2 Use the Point **▲▼** buttons to select **Filter counter** and then press the Point **▶** or the SELECT button. Use the Point **▲▼** buttons to select **Filter counter reset** and then press the SELECT button. **Filter counter Reset?** appears. Select **Yes** to continue.
- 3 Another confirmation dialog box appears, select **Yes** to reset the Filter counter.