



PLANAR 40" LCD MANUAL

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Table of contents

Precautions	2
Before First Use	
Names and Functions.....	3,4
Check Accessories	3
Outer Dimension.....	5,6
Installation	7-10
LCD Monitor Instructions	
Adjusting the Screen.....	11
Adjustment Items.....	11-13
Mode	14
Adjustment Procedure	
Before Adjustment	15,16
Adjustment for computer screen	
A. Picture Menu.....	17-21
B. Advanced Menu	21-23
C. Picture in picture Menu	23-28
D. Advanced picture in picture Menu.....	29,30
E. Options Menu.....	31-33
F. Utilities Menu	34,35
Adjustment for Composite Video/S-Video/Component Video screen	
A. Picture Menu.....	36-41
B. Advanced Menu	42-44
C. Video Menu	44
D. Options Menu.....	45,46
E. Utilities Menu.....	47,48
Additional Functions	
Shortcut Menu	49-50
Power Management System	51
Plug and Play	51
Maintenance	52
Troubleshooting	
Fault Finding	53
Screen Display.....	53
Specifications	
Table of Preset Data.....	55
Cable Pin Arrangement	56
Monitor Specifications.....	57

Precautions

Placement precautions

- Avoid placing the unit in humid or dusty places, or where it will be exposed to excessive heat (direct sunlight, heaters, etc.)
- Do not step on or set anything on the AC power cord. **DAMAGE TO THE AC POWER CORD IS A SAFETY RISK AND CAN CAUSE A FIRE.**
- Install the unit only on a stable and smooth surface.
- Do not connect the unit to the same AC outlet with appliances that generate large amounts of interference (such as heaters with thermostats, appliances with motors, etc.). It is best to use a completely separate electrical outlet.
- Keep the unit away from water or small objects. If they accidentally enters the unit, unplug the AC power cord immediately. **DO NOT PLUG IN THE UNIT AGAIN.**
- Never cover the rear ventilators with cloth or something.

Handling precautions

- **"WARNING:** The AC power cord and cables on this product contains chemicals, including lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. ***Wash hands after handling.***"
- Avoid bending, kinking or damaging the AC power cord.
- Never insert or remove the power cord with wet hands. Also, be sure to hold cord by the plug when removing it from the outlet.
- Do not remove any parts that are held in place with screws. (The unit does not contain any user-serviceable items.)
- Maintain standard room temperature (5°C to 35°C, or 41°F to 95°F) during use. Do not subject the unit to shock or vibration. Do not move the unit while it is in use.
- A rapid increase in room temperature in cool weather can cause condensation to form inside the unit. If this occurs, wait at least 15 minutes after turning the unit on before attempting to operate it.

European Norm Compatibility / CE

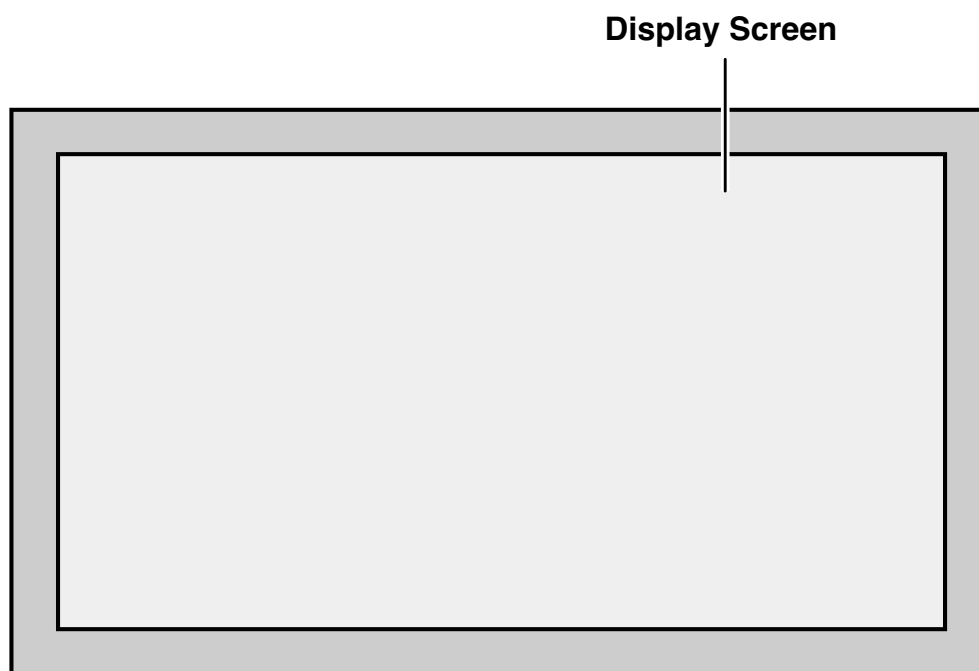
This machine is provided with the CE-mark and therewith corresponding to the norms that are valid for its operation at present. Thus the effective guidelines on the electromagnetic compatibility 89/336/EEG and safety regulations according to low voltage guideline 73/23/EEG and 93/68/EEG are guaranteed. Mutual disturbances with other electronic appliances are normally excluded, if those also are in accordance with valid norms.

Sporadically disturbances cannot, however, be excluded. The product is in conformity with the directives of the valid European guideline.

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Names and Functions

Front View



NOTE

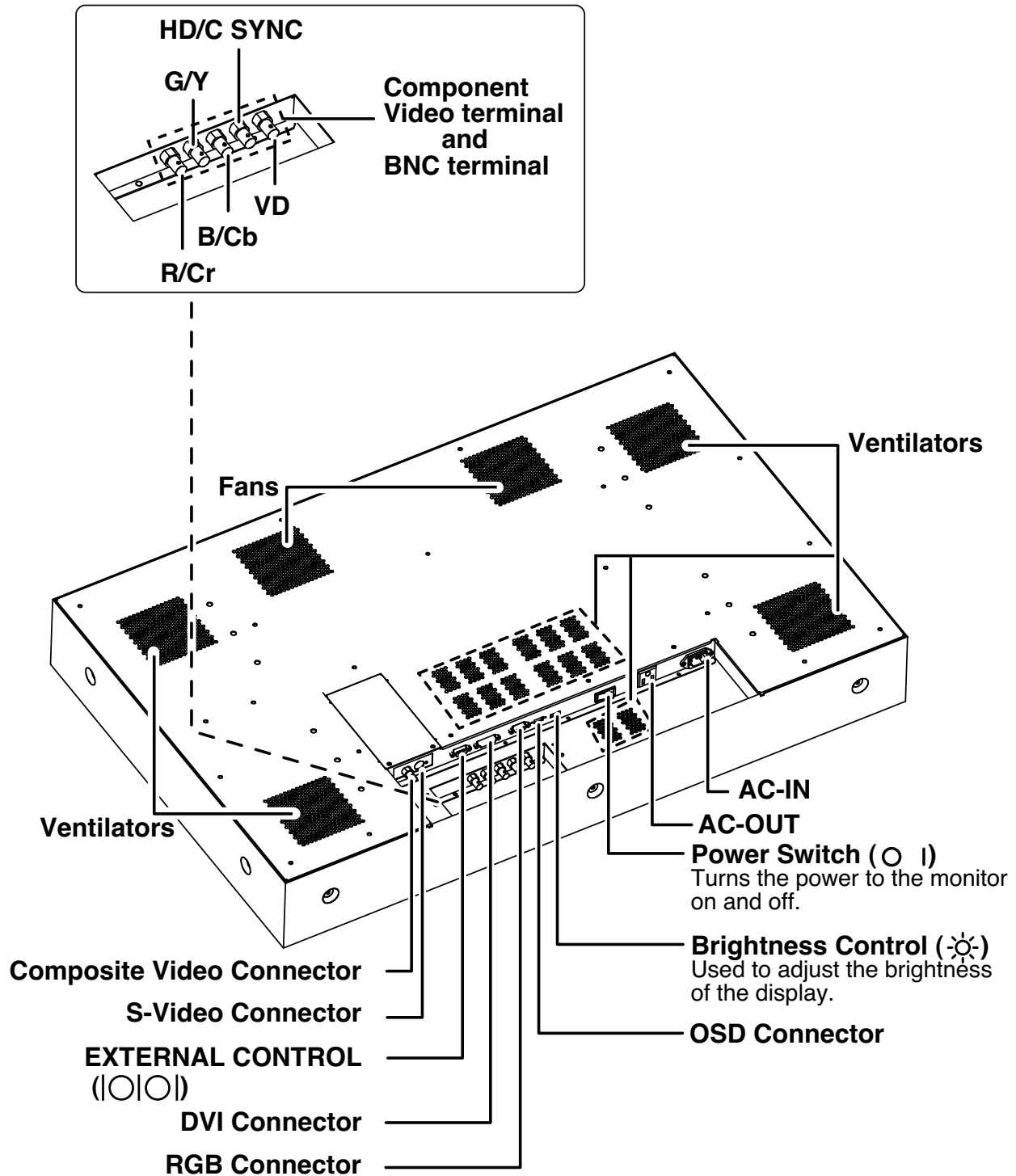
- When you move the LCD monitor, please unplug AC cables connected to AC-IN and/or AC-OUT, and disconnect the cables connected to the external equipments.
- When you carry the LCD monitor, please be careful not to shock it and touch the LCD panel, to avoid damaging the LCD panel.

Check Accessories

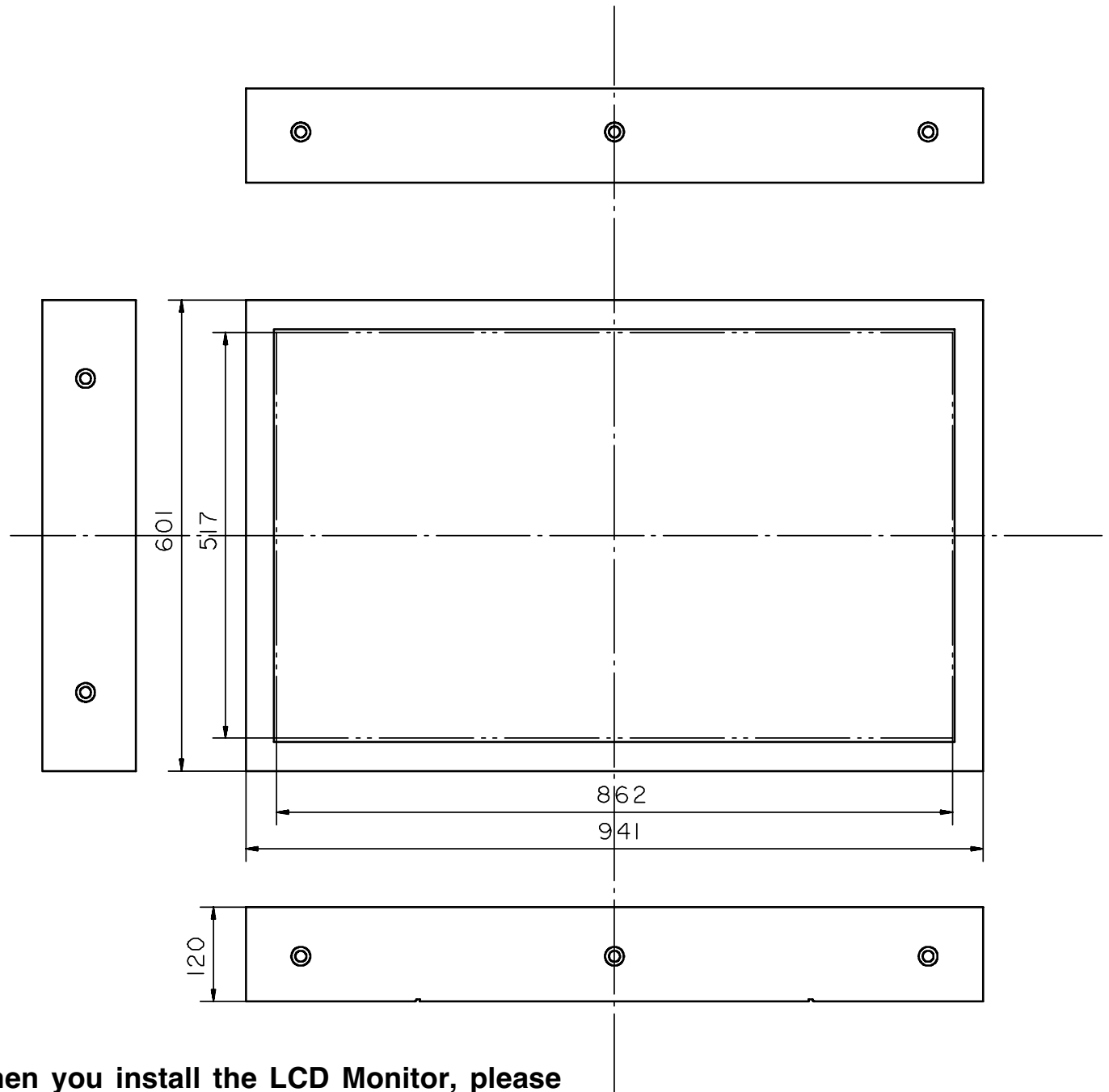
Check that the main unit and all accessories are present.

- | | |
|-----------------------------------|------------------------|
| • External OSD Control Box (x 1) | • AC Power Cord (x 1) |
| • User's Guide (x 1) | • RGB Cable (x 1) |

Rear View

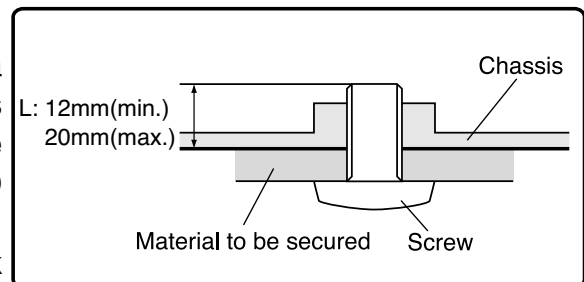


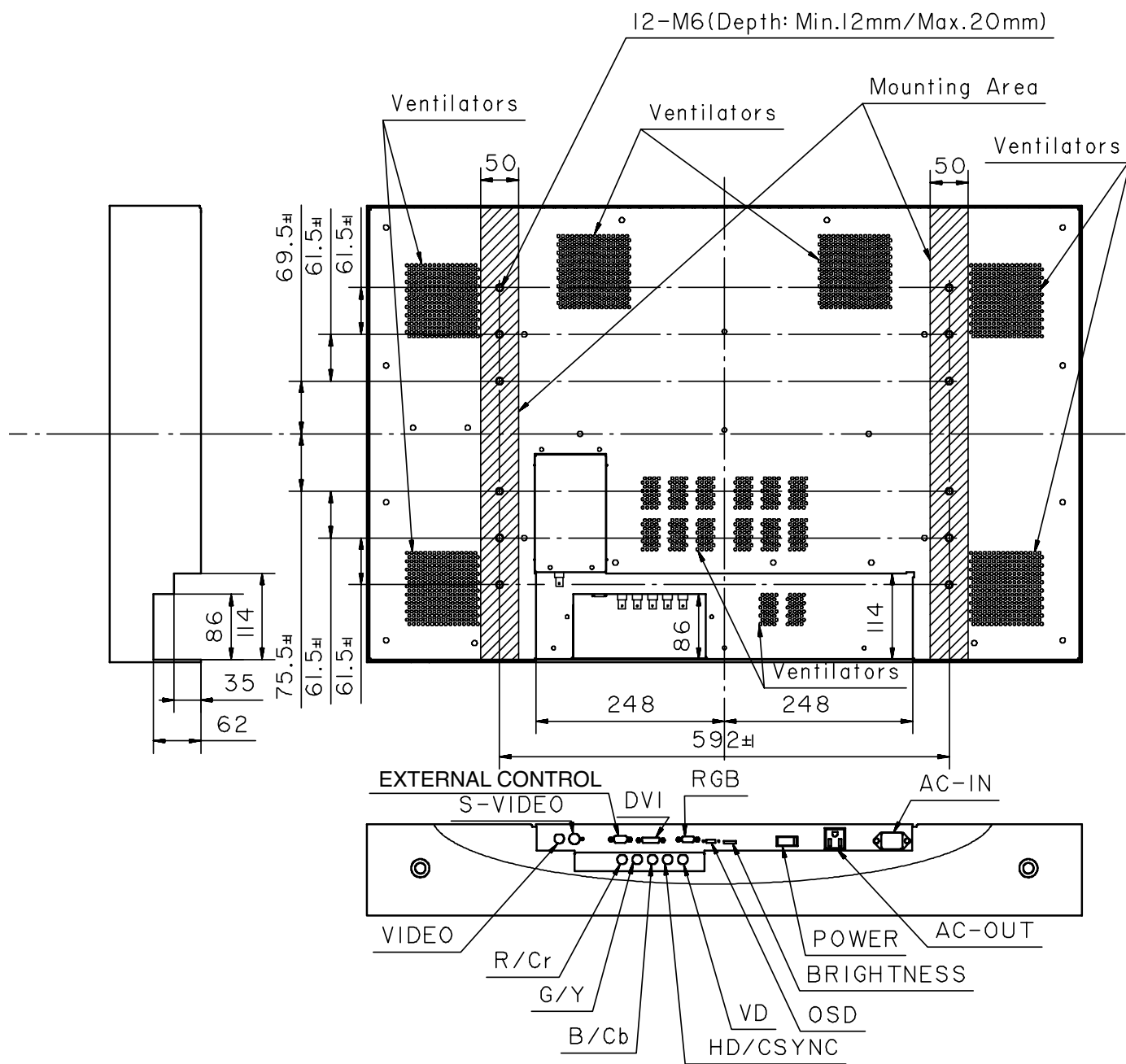
Outer Dimension



When you install the LCD Monitor, please take care the following:

- Use the M6 screws only for installation.
- The maximum length of the screw put through a hole is 20mm on the surface of a metal chassis (as shown right). Use the screw with effective length 12-20mm, if not it may damage to the LCD monitor.
- When you install the LCD monitor, please check the strength of material to be secured.



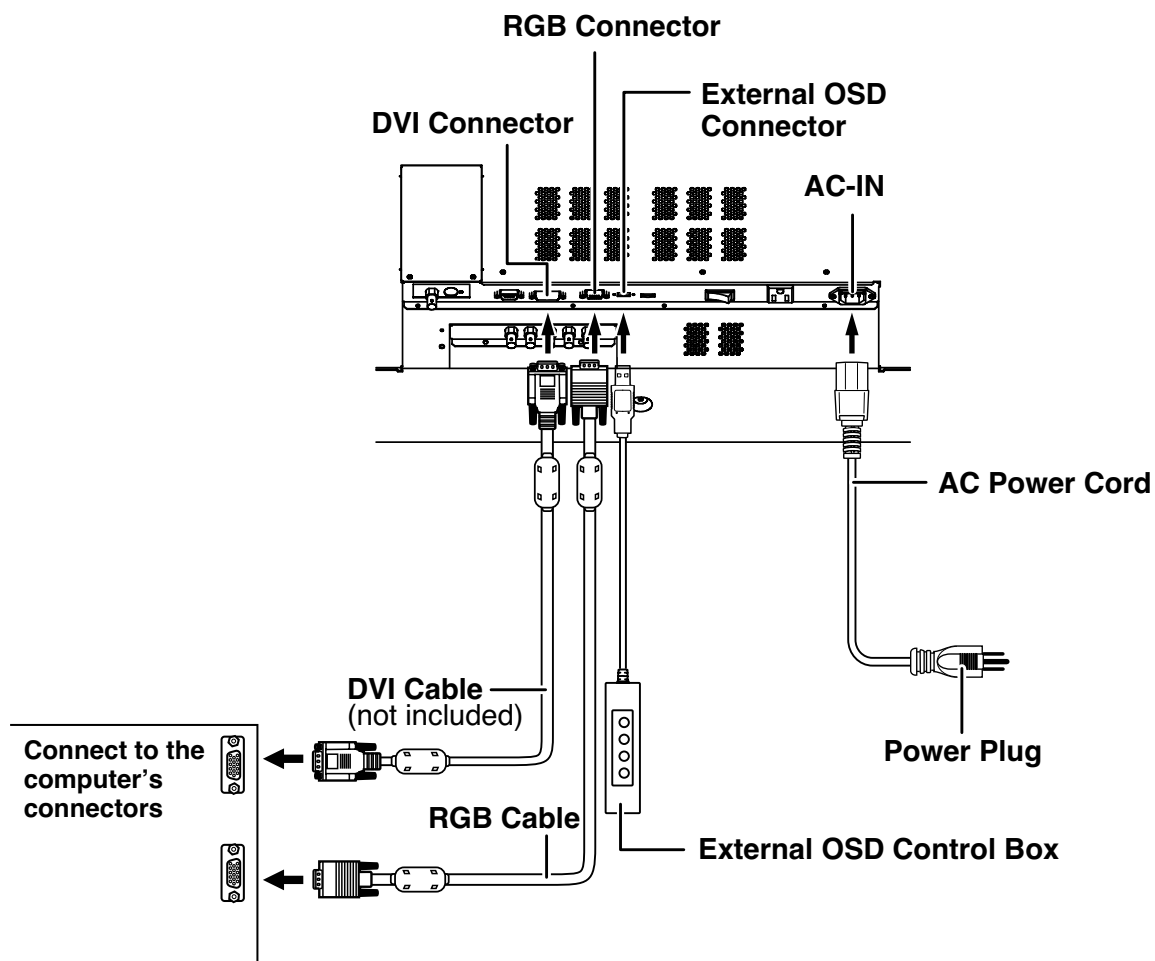


Installation

■ Connect the Computers

Before doing anything, make sure the Power Switch on the monitor and a computer are turned off.

- 1** Plug the cable(s) into the connector on the monitor securely and fix them in place with two screws (each).
- 2** Plug the other end of the cable(s) into the connector on a computer.
- 3** Plug the AC Power Cord into the AC-IN on the monitor.
- 4** Plug the Power Plug into an outlet.
- 5** Plug the External OSD Control Box if necessary.
- 6** Switch on the monitor before starting up a computer.



Caution !

- Do not plug the External OSD Control Box into the computer's USB port, as this may cause malfunction of the computer.
- When connecting a DVI Cable, be sure to use a DVI Cable with cores on the market. If not, interference may happen to peripherals aside.
- When multiple video cables are connected to the monitor. It is necessary to connect OSD Control Box to switch display signal (see page 11).

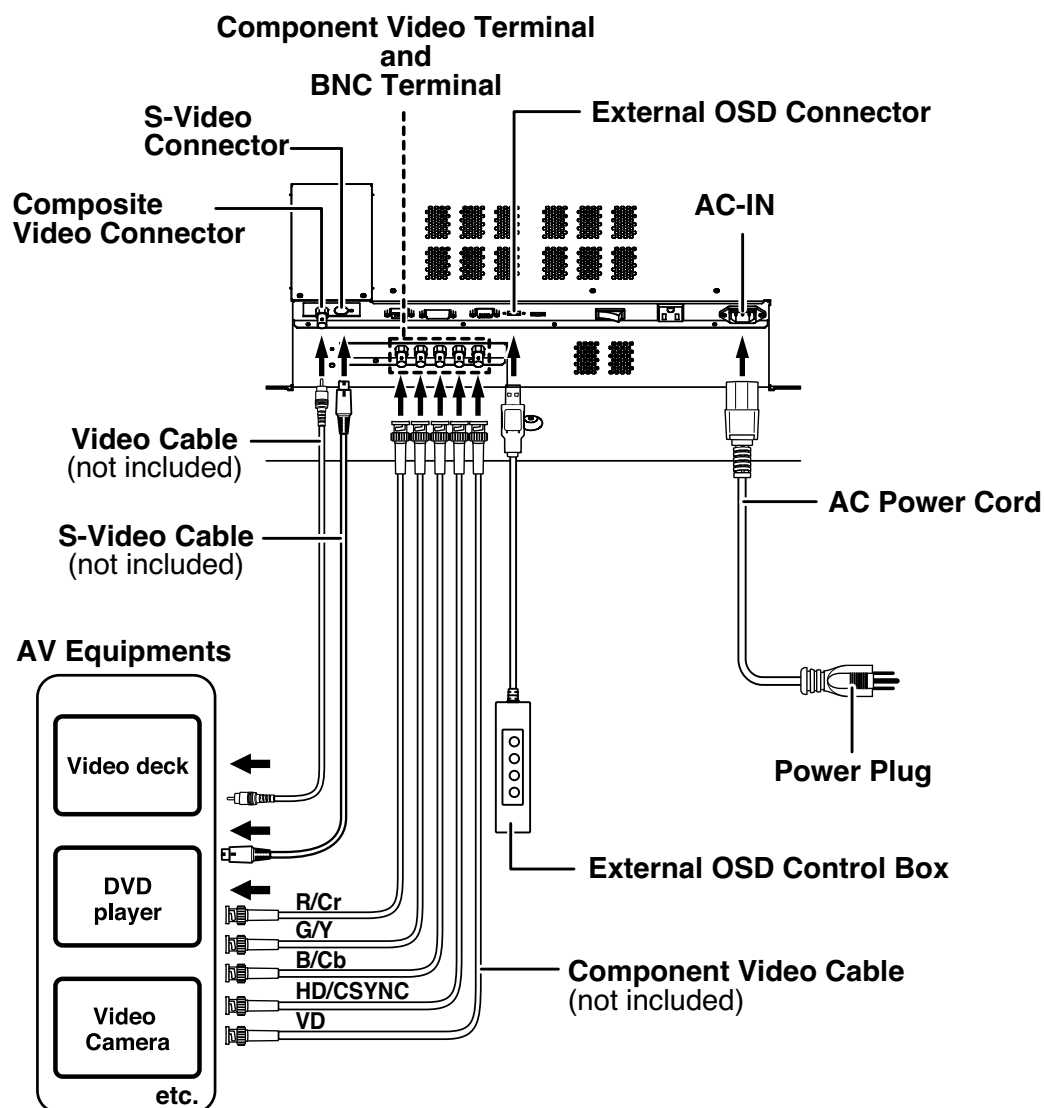
Connect the Video deck, DVD player etc.

Turn off the power for the monitor and AV equipment before the connection.

- 1** Plug the cable(s) into the connector on the monitor securely.
- 2** Plug the other end of the cable(s) into the connector on AV equipment.
- 3** Plug the AC Power Cord into the AC-IN on the monitor.
- 4** Plug the Power Plug into an outlet.
- 5** Plug the External OSD Control Box if necessary.
- 6** Switch on the monitor before starting up AV equipment.

*Continued to next page.

Installation

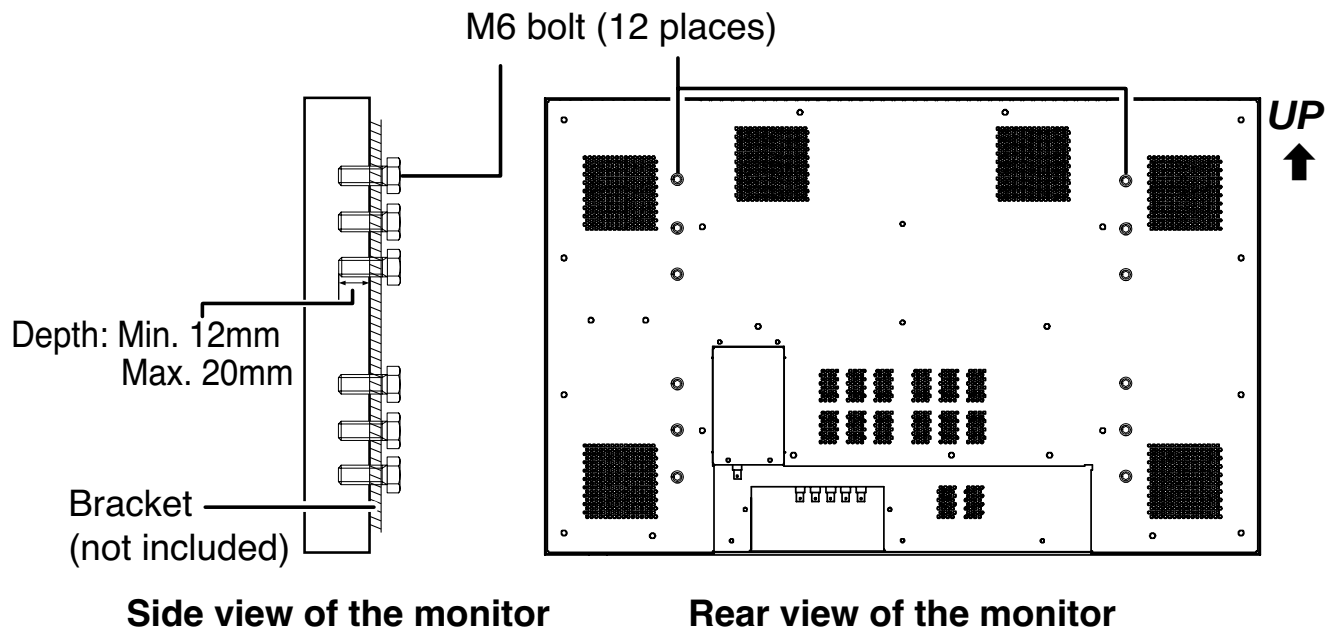


NOTE

- For S-Video Cable, Video Cable and Component Video Cable, please use the cables on the market or ones come with AV equipments.
- **For clearer picture, using S-Video Cable is recommended compared with Composite Video. When an equipment has S-Video output, please use S-Video Cable.**
- When several input cables are connected at once, it is necessary to connect OSD Control Box to switch the screen (see page 11).

■ How to secure the monitor on a wall

Note: The following figure is only recommended.

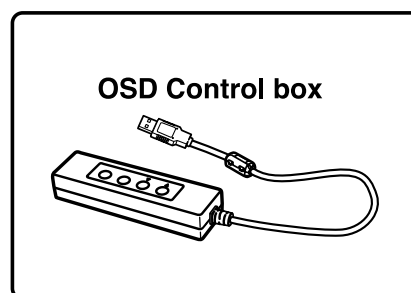


Caution !

Never cover the rear ventilators with cloth or something.
Secure enough space more than 30mm from the rear part of the monitor.

Adjusting the Screen

This LCD monitor decodes the signal from a computer automatically, and displays the image on a screen in accordance with the preset mode. Unless a display mode has been in preset table, the image is displayed under the similar mode in preset table. In this case, the adjustment for this LCD monitor must be done in accordance with a computer connected with. Please follow the **OSD (On Screen Display)** menu to adjust screen settings.



Name / Function of Buttons for Adjustment

[MENU] Button	To display the OSD menu and step back to the screen selected before
[ENTER] Button	To select the item you wish to adjust
[▽] [△] Button	To move the cursor between the items adjusted and change the adjustment data

Adjustment Items for computer screen

Picture Menu (refer to page 17-21)

BRIGHTNESS	Adjust the brightness for the screen
CONTRAST	Adjust the contrast for the screen
H POSITION	Adjust the horizontal position for the screen
V POSITION	Adjust the vertical position for the screen
PHASE	Adjust the phase for the screen
FREQUENCY	Adjust the horizontal width for the screen
SCALING	Scale the screen

Note

H position, v position, phase and frequency for the screen can be adjusted in Analog mode only.

Advanced Menu (refer to page 21-23)

COLOR	Adjust the color temperature for the screen
USER RED	Adjust the level of red for the screen
USER GREEN	Adjust the level of green for the screen
USER BLUE	Adjust the level of blue for the screen

Adjustment Items

Pip(picture in picture) Menu

(refer to page 23-28)

SIZE	.....	Select the size of pip
POS	.....	Select the position of pip
SOURCE	.....	Change the input signal
BRIGHTNESS	.....	Adjust the brightness of pip
CONTRAST	.....	Adjust the contrast of pip
COLOR	.....	Adjust the color of pip
TINT	.....	Adjust the tint of pip
SHARPNESS	.....	Adjust the sharpness of pip

Note

BRIGHTNESS, CONTRAST, COLOR, TINT and SHARPNESS for pip can be adjusted when inputting Composite Video or S-Video signal and also selecting [small] or [medium] or [large] in [size] menu.

Adv pip(Advanced picture in picture) Menu

(refer to page 29,30)

H POSITION	.....	Select the horizontal position of pip
V POSITION	.....	Select the vertical position of pip
VIDEO FORMAT	.....	Select the video format (ntsc/pal/secam)

Note

Adv pip Menu can be used when inputting Composite Video or S-Video signal and also selecting [small] or [medium] or [large] in [size] menu.

Options Menu

(refer to page 31-33)

OSD	.....	Select the osd position
LANGUAGE	.....	Select language used in osd
AUTO ADJUST	.....	Adjust the screen automatically
RESOLUTION	.....	Display the resolution of the screen
INTERNAL FIRMWARE	.....	Display the osd version

Utilities Menu

(refer to page 34,35)

OSD TIMEOUT	.....	Change the osd timeout
OSD BACKGROUND	.....	Select the osd background
RESET	.....	Delete the data saved at the current display mode

Adjustment Items

Adjustment Items for Composite Video, S-Video and Component Video screen

Picture Menu (refer to page 36-41)

BRIGHTNESS	·····	Adjust the brightness for video screen
CONTRAST	·····	Adjust the contrast for video screen
H POSITION	·····	Adjust the horizontal position for video screen
V POSITION	·····	Adjust the vertical position for video screen
COLOR	·····	Adjust the color for video screen
TINT	·····	Adjust the tint for video screen
SHARPNESS	·····	Adjust the sharpness for video screen
SCALING	·····	Scale the video screen

Advanced Menu (refer to page 42-44)

COLOR	·····	Adjust the color temperature for video screen
USER RED	·····	Adjust the level of red for video screen
USER GREEN	·····	Adjust the level of green for video screen
USER BLUE	·····	Adjust the level of blue for video screen

Video Menu (refer to page 44)

VIDEO FORMAT	·····	Select the video format (ntsc/pal/secam)
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Options Menu (refer to page 45,46)

OSD	·····	Select the osd position
LANGUAGE	·····	Select language used in osd
INTERNAL FIRMWARE	·····	Display the osd version

Utilities Menu (refer to page 47,48)

OSD TIMEOUT	·····	Change the osd timeout
OSD BACKGROUND	·····	Select the osd background
RESET	·····	Delete the data saved at the current display mode

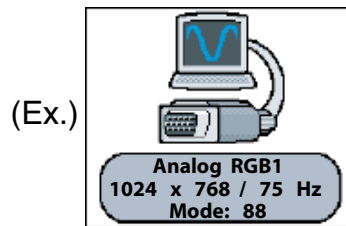
Mode

You can change or indicate the signal input type following the steps.

Change or indicate the input signal

1. While the OSD (On Screen Display) is not displayed, it is possible to change or indicate the current mode.

Press the [Δ] button to indicate the current mode in the lower right corner of the screen.



2. While displaying the current mode, press the [Δ] button again.

Start searching another mode according to the order [Analog RGB1] → [Analog RGB2] → [Digital RGB] → [Composite Video] → [S-Video] → [Component Video] → [RGB + C Sync] in sequence.

- | | |
|-------------------|---|
| [Analog RGB1] | → Switch to the signal from RGB terminal. |
| [Analog RGB2] | → Switch to the signal from R/G/B/HD/VD terminal. |
| [Digital RGB] | → Switch to the signal from DVI terminal. |
| [Composite Video] | → Switch to the signal from Composite Video terminal. |
| [S-Video] | → Switch to the signal from S-Video terminal. |
| [Component Video] | → Switch to the signal from Cr/Y/Cb terminal. |
| [RGB + C Sync] | → Switch to the signal from R/G/B/C SYNC terminal. |

- Every time the input signal is searched, display the searched and stop searching picture.
- The current mode is indicated for each input signal type as follows:



Adjustment Procedure

Before Adjustment

The signal timing for a computer which this LCD monitor supports is listed in "Table of Preset Data" on Page 55, the recommended value of Vertical Frequency for this model is 60Hz. (Unlike CRT Monitors, the display becomes stable when Vertical Frequency is low.) It is recommend to set Vertical Frequency of a computer connected at 60Hz by "refresh rate setting" before starting adjustment procedure.

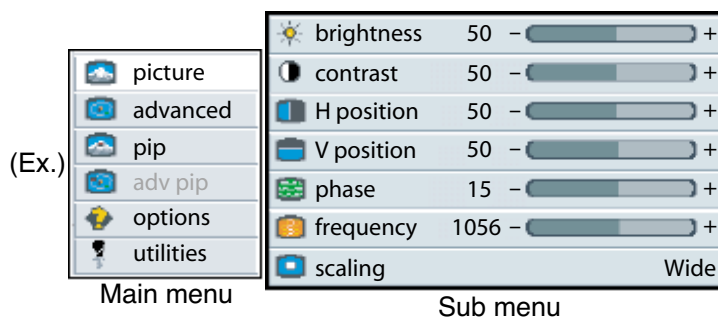
1 Display the Windows or other screen

After a computer is connected with this LCD Monitor, activate a computer and then shows a bright screen on this LCD Monitor. It might not be possible to adjust the screen correctly for a dark screen.

For DOS mode, run an application that shows the edges of the screen (edit etc.) to adjust screen.

2 Display the OSD (On Screen Display) Menu

Press the [MENU] button to display the following menu.



- To leave the Main menu, press the [MENU] button again.

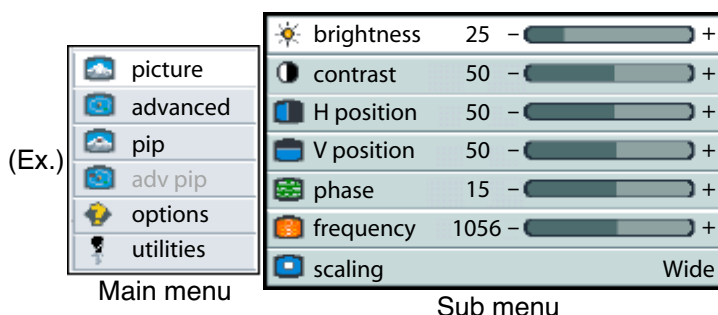
3 Select the item to be adjusted on the Main Menu

Select the item to be adjusted by moving the cursor on the Main menu with the [Δ] and/or [▽] button and then press the [ENTER] button. You can see the cursor moving to the Sub menu.

4 Select the item to be adjusted on the Sub Menu

Select the item to be adjusted by moving the cursor on the Sub menu with the [Δ] and/or [▽] button and then press the [ENTER] button.

- The selected item turns blue and then it is possible to control the item.



- To select another item on the Sub menu, press the [MENU] button.

5 Adjustment or Setting

For each item selected, the adjustment/setting has been made by pressing the [Δ] and/or [▽] button. This monitor saves adjusted value at intervals of about 5 seconds. Do not turn off the monitor for at the least 5 seconds after adjustment or setting. (The detail steps for each item are described in the page 17-48)

NOTE

In case that Composite Video, S-Video and Component Video cables are connected, each adjustment procedure needs to be done for Composite Video, S-Video and Component Video, separately.

Adjustment Procedure (Picture Menu)

Manual Adjustment

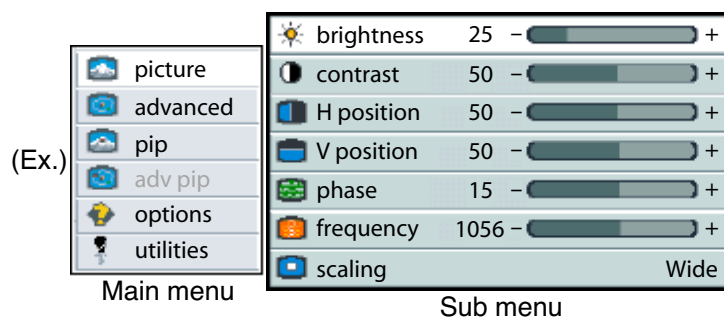
If you wish to adjust the screen finely or in case the result adjusted by Auto Adjust (see page 32) sequence is not sufficient enough, adjust the screen manually.

A. Picture Menu

1 Adjust the brightness

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [brightness] on the Sub menu and press the [ENTER] button.

The selected item of [brightness] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

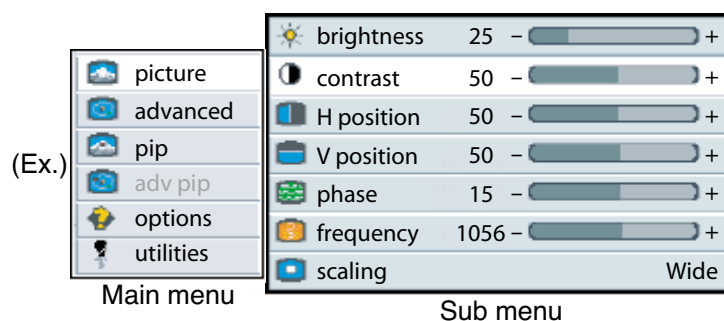
By pressing the [△] button, the whole screen is brighter.

By pressing the [▽] button, the whole screen is darker.

2 Adjust the contrast

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [contrast] on the Sub menu and press the [ENTER] button.

The selected item of [contrast] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

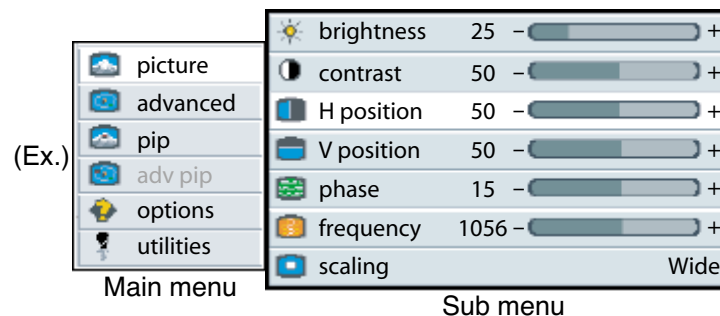
By pressing the [△] button, the contrast (difference between bright and dark) becomes darker.

By pressing the [▽] button, the contrast (difference between bright and dark) becomes lighter.

3 Adjust the horizontal position (Analog mode only)

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [H position] on the Sub menu and press the [ENTER] button.

The selected item of [H position] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

Press the [△] button to shift the screen to the right.

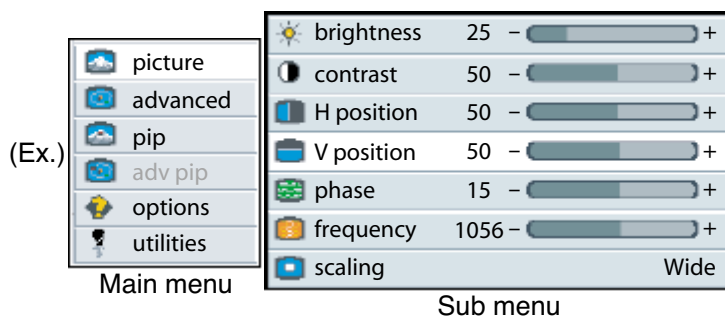
Press the [▽] button to shift the screen to the left.

Adjustment Procedure (Picture Menu)

4 Adjust the vertical position (Analog mode only)

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [V position] on the Sub menu and press the [ENTER] button.

The selected item of [V position] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

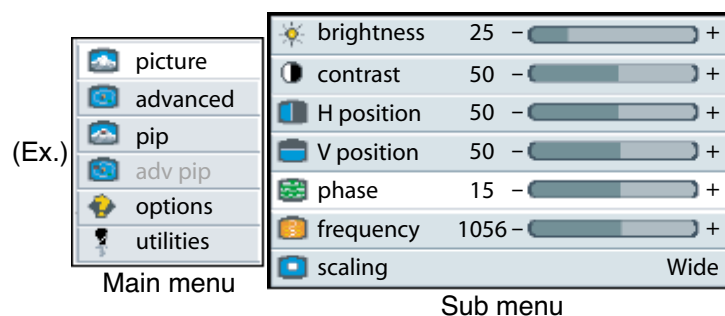
Press the [△] button to shift the screen to the top.

Press the [▽] button to shift the screen to the bottom.

5 Adjust the phase (Analog mode only)

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [phase] on the Sub menu and press the [ENTER] button.

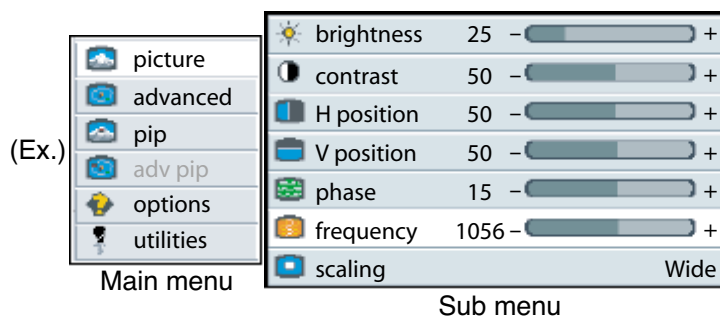
The selected item of [phase] turns blue.

3. Use the [▽] and/or [△] button to be able to display the small characters clearly. (Interval: 0~31)

6 Adjust the frequency (Analog mode only)

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [frequency] on the Sub menu and press the [ENTER] button.

The selected item of [frequency] turns blue.

3. Use the [▽] and [△] button to adjust.

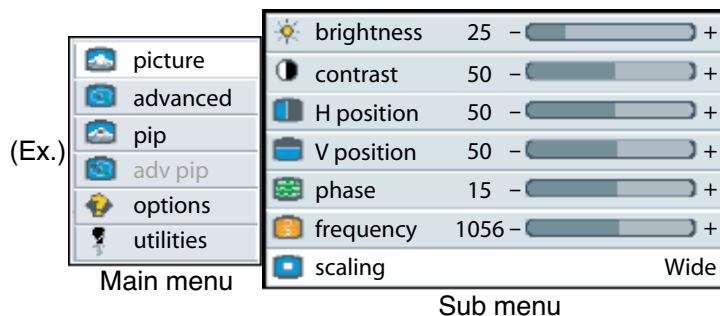
By pressing the [△] button, the horizontal width becomes wider.

By pressing the [▽] button, the horizontal width becomes narrower.

7 Adjust the scaling

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [scaling] on the Sub menu and press the [ENTER] button.

The selected item of [scaling] turns blue.

*Continued to next page.

Adjustment Procedure (Picture Menu)

3. Use the [▽] and/or [△] button to adjust.

When pressing the [△] button, the scaling can be selected according to the order [Wide] → [Normal] → [1:1] → [Wide] in sequence.

When pressing the [▽] button, the scaling order is scrolled in opposite to the above order.

- [Wide] → Display the input picture to the full wide.
- [Normal] → Display the input picture with keeping an aspect ratio on the whole screen.
- [1:1] → Display the input picture with the aspect ratio 1:1.

The screen varies due to the selected resolution settings of connected PC system.

B. Advanced Menu

You can adjust the color temperature for the screen manually. Three preset values of color temperature are set up at the time of factory shipments. Besides, you can set your preferable values.

1

Adjust the color temperature (Preset)

1. Select [advanced] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [color] on the Sub menu and press the [ENTER] button.

The selected item of [color] turns blue.

3. Use the [▽] and/or [△] button to adjust.

- | | | |
|----------------|---|------------------------|
| <Preset value> | | <Screen condition> |
| Warm | → | a little reddish white |
| Neutral | → | natural light |
| Cold | → | a little bluish white |

(Advanced Menu)

When pressing the [Δ] button, the color temperature can be selected according to the order [Neutral] → [Cold] → [user] → [Warm] → [Neutral] in sequence.

When pressing the [∇] button, the color temperature order is scrolled in opposite to the above order.

- If [user] is selected, three colors adjustment menu to adjust [user red] or [user green] or [user blue] are available (see following step **2**).

2 Adjust the color temperature (User)

If you wish to set user setting of color temperature, follow the steps.

(Ex.) In case adjusting the [user red], [user green] and [user blue] in sequence.

1. Select [advanced] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [color] on the Sub menu and press the [ENTER] button.

The selected item of [color] turns blue.

3. Select [user] with the [∇] and/or [Δ] button and press the [ENTER] button.

[user] turns red. Besides, [user red], [user green] and [user blue] are displayed.

4. Select [user red] with the [∇] button and press the [ENTER] button.

The selected item of [user red] turns blue.

5. Adjust the red level with the [∇] and/or [Δ] button. (Interval: 0~100)

*Continued to next page.

Adjustment Procedure (Advanced Menu)

6. Press the [ENTER] button, and then press the [▽] button.

You can see the cursor moving to [user green].

Press the [ENTER] button.

The selected item of [user green] turns blue.

7. Adjust the green level with the [▽] and/or [△] button.

(Interval: 0~100)

Press the [ENTER] button, and then press the [△] button.

You can see the cursor moving to [user blue].

8. Press the [ENTER] button.

The selected item of [user blue] turns blue.

Adjust the blue level with the [▽] and/or [△] button.

(Interval: 0~100)

	pressing the [▽] button	pressing the [△] button
user red	more reddish	less reddish
user green	more greenish	less greenish
user blue	more bluish	less bluish

C. Picture in picture Menu

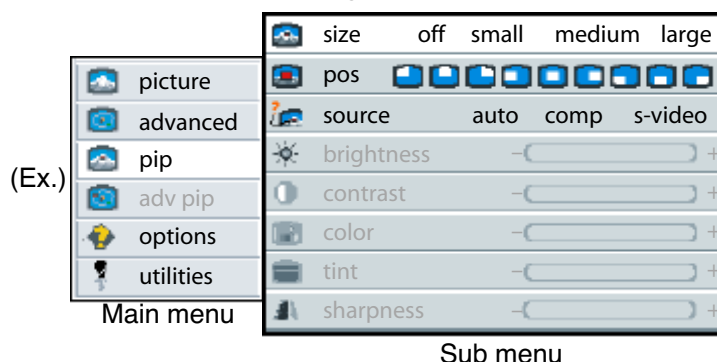
If you wish to adjust a pip(picture in picture), you can adjust the size, position, source, brightness, contrast, color, tint and sharpness manually.

1

Adjust the size

1. Select [pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [size] on the Sub menu and press the [ENTER] button.

The selected item of [size] turns blue.

When pressing the [**Δ**] button, the size of pip can be selected according to the order [off] → [small] → [medium] → [large] → [off] in sequence.

- When [off] is selected, [pip] menu and pip disappear. In case selecting [small] or [medium] or [large], [pip] menu appears.

1. Select [pip] on the Main menu and press the [ENTER] button.

The diagram illustrates a menu structure. On the left, a vertical list of icons represents the 'Main menu'. To the right of this list, a horizontal row of icons represents the 'Sub menu'. The 'Main menu' items are: 'picture', 'advanced', 'pip', 'adv pip', 'options', and 'utilities'. The 'Sub menu' items are: 'size', 'pos', 'source', 'brightness', 'contrast', 'color', 'tint', and 'sharpness'. The 'size' item is expanded, showing a horizontal row of icons for 'off', 'small', 'medium', and 'large'. The 'brightness', 'contrast', 'color', 'tint', and 'sharpness' items are expanded, showing a horizontal row of icons for 'auto', 'comp', and 's-video'. The 'options' item is expanded, showing a horizontal row of icons for 'brightness', 'contrast', 'color', 'tint', and 'sharpness'. The 'utilities' item is expanded, showing a horizontal row of icons for 'brightness', 'contrast', 'color', 'tint', and 'sharpness'.

The selected item of [pos] turns blue.

When pressing the [Δ] button, the position of pip (picture in picture) can be selected according to the order $\rightarrow$ $\rightarrow$ $\rightarrow$ $\rightarrow$ $\rightarrow$ $\rightarrow$ $\rightarrow$ in sequence.

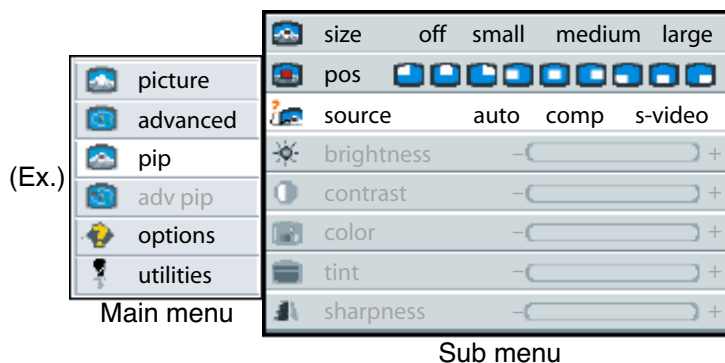
When pressing the [▾] button, the position of pip order is scrolled in opposite to the above order.

Adjustment Procedure (Pip Menu)

3 Change the input signal

1. Select [pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [source] on the Sub menu and press the [ENTER] button.

The selected item of [source] turns blue.

3. Use the [▽] and/or [△] button to adjust.

When pressing the [△] button, the source of the input signal type on pip can be selected according to the order [auto] → [comp] → [s-video] → [auto] in sequence.

When pressing the [▽] button, the source of the input signal type on pip order is scrolled in opposite to the above order.

[auto] → Search and switch to the input signal automatically.

[comp] → Switch to the composite signal.

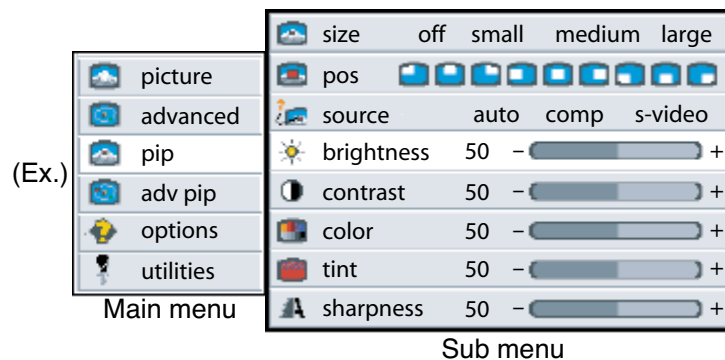
[s-video] → Switch to the s-video signal.

4 Adjust the brightness (Video signal only)

You can adjust this item when selecting [small] or [medium] or [large] in [size] menu (see page 23).

1. Select [pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [brightness] on the Sub menu and press the [ENTER] button.

The selected item of [brightness] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

By pressing the [△] button, the whole screen becomes brighter.

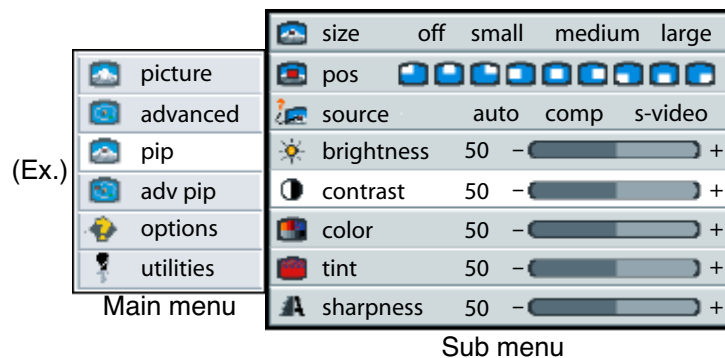
By pressing the [▽] button, the whole screen becomes darker.

5 Adjust the contrast (Video signal only)

You can adjust this item when selecting [small] or [medium] or [large] in [size] menu (see page 23).

1. Select [pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [contrast] on the Sub menu and press the [ENTER] button.

The selected item of [contrast] turns blue.

*Continued to next page.

Adjustment Procedure (Pip Menu)

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

By pressing the [△] button, the contrast (difference between bright and dark) becomes darker.

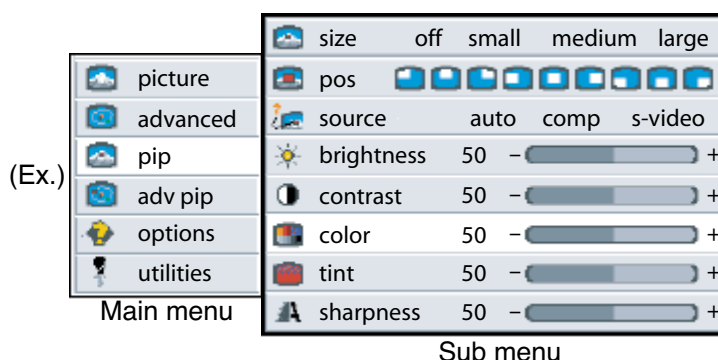
By pressing the [▽] button, the contrast (difference between bright and dark) becomes lighter.

6 Adjust the color (Video signal only)

You can adjust this item when selecting [small] or [medium] or [large] in [size] menu (see page 23).

1. Select [pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [color] on the Sub menu and press the [ENTER] button.

The selected item of [color] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

By pressing the [△] button, the screen deepens.

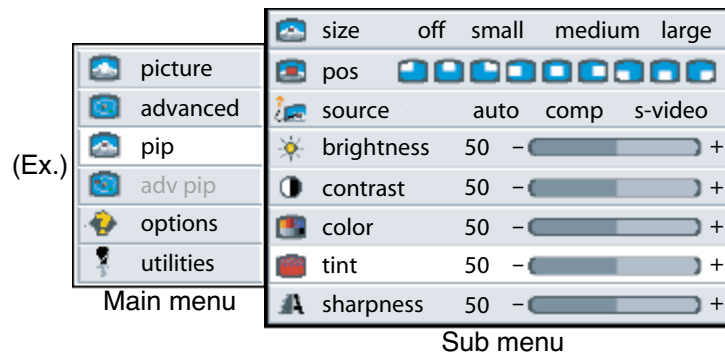
By pressing the [▽] button, the screen lightens.

7 Adjust the tint (NTSC signal only)

You can adjust this item when selecting [small] or [medium] or [large] in [size] menu (see page 23).

1. Select [pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [tint] on the Sub menu and press the [ENTER] button.

The selected item of [tint] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

By pressing the [△] button, the skin color becomes more greenish.

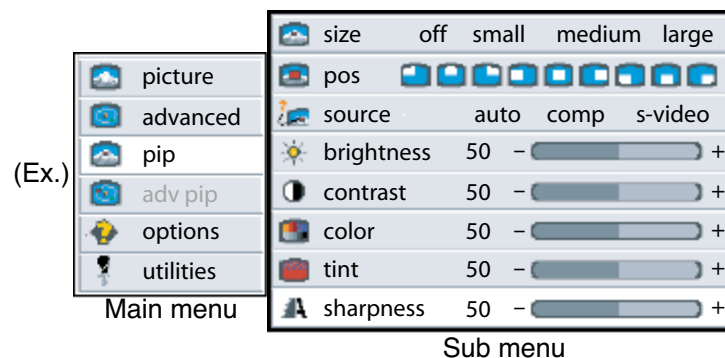
By pressing the [▽] button, the skin color becomes more purplish.

8 Adjust the sharpness (Video signal only)

You can adjust this item when selecting [small] or [medium] or [large] in [size] menu (see page 23).

1. Select [pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [sharpness] on the Sub menu and press the [ENTER] button.

The selected item of [sharpness] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

By pressing the [△] button, the outline of the picture becomes clearly.

By pressing the [▽] button, the outline of the picture softens.

Adjustment Procedure (Adv pip Menu)

D. Advanced picture in picture Menu

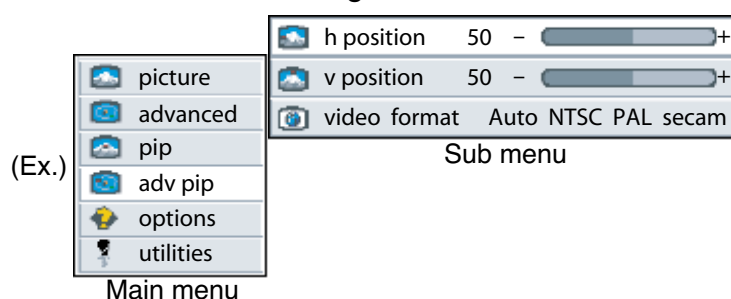
This menu can be used when inputting Composite Video or S-Video signal and also selecting [small] or [medium] or [large] in [size] menu (see page 23).

You can adjust the horizontal/vertical position for pip and select the video format if you select this menu.

1 Adjust the horizontal position

1. Select [adv pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [h position] on the Sub menu and press the [ENTER] button.

The selected item of [h position] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

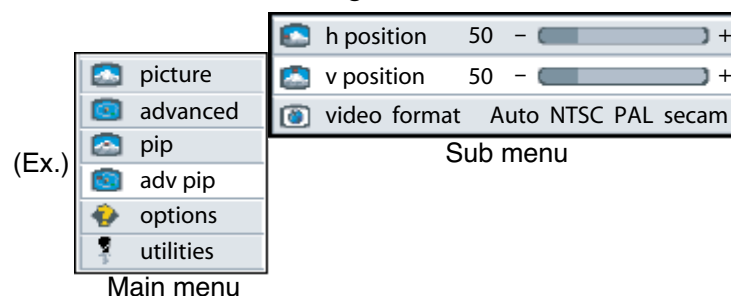
Press the [△] button to shift the screen to the right.

Press the [▽] button to shift the screen to the left.

2 Adjust the vertical position

1. Select [adv pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [v position] on the Sub menu and press the [ENTER] button.

The selected item of [v position] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

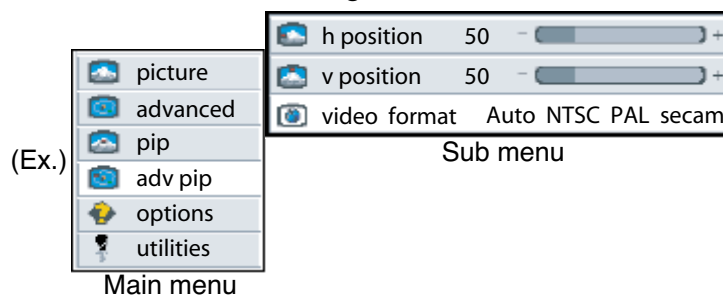
Press the [△] button to shift the screen to the bottom.

Press the [▽] button to shift the screen to the top.

3 Select the video format

1. Select [adv pip] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [video format] on the Sub menu and press the [ENTER] button.

The selected item of [video format] turns blue.

3. Use the [▽] and/or [△] button to select the video format.

When pressing the [△] button, the video format can be selected according to the order [Auto] → [NTSC] → [PAL] → [secam] → [Auto] in sequence.

When pressing the [▽] button, the video format order is scrolled in opposite to the above order.

- | | | |
|---------|---|--|
| [Auto] | → | Search and switch to the input signal automatically. |
| [NTSC] | → | Switch to the NTSC signal. |
| [PAL] | → | Switch to the PAL signal. |
| [secam] | → | Switch to the SECAM signal. |

Adjustment Procedure (Options Menu)

E. Options Menu

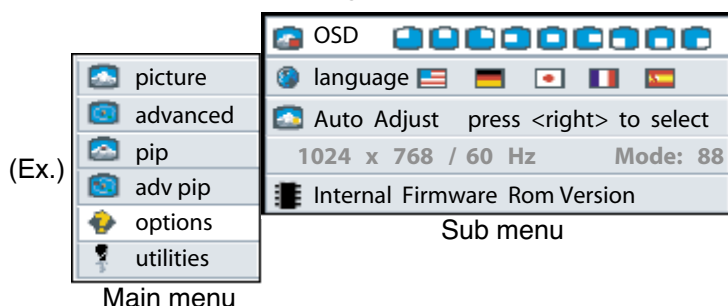
You can change the osd position and language used in osd, adjust the screen by Auto Adjust (Automatic Adjustment) and see the resolution at the time if you select this menu.

1

Select the osd position

1. Select [options] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [osd] on the Sub menu and press the [ENTER] button.

The selected item of [osd] turns blue.

3. Use the [▽] and/or [△] button to select the position.

When pressing the [△] button, the position of pip (picture in picture) can be selected according to the order → → → → → → in sequence.

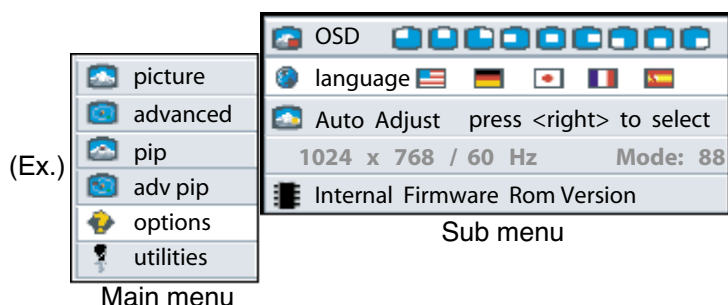
When pressing the [▽] button, the position of pip order is scrolled in opposite to the above order.

2

Select language used in OSD (On Screen Display)

1. Select [options] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [language] on the Sub menu and press the [ENTER] button.

The selected item of [language] turns blue.

3. Use the [▽] and/or [△] button to select the language.

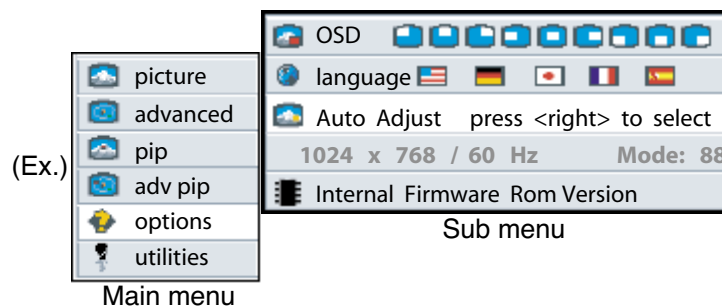
When pressing the [△] button, the language can be selected according to the order [English] → [German] → [Japanese] → [French] → [Spanish] → [English] in sequence.

When pressing the [▽] button, the language is scrolled in opposite to the above order.

3 Automatic Adjustment (Analog mode only)

1. Select [options] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [Auto Adjust] on the Sub menu and press the [ENTER] button.

The selected item of [Auto Adjust] turns blue.

3. Press the [△] button to start the Automatic Adjustment.

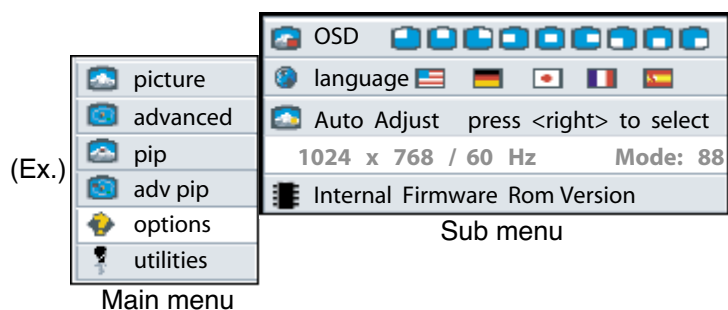
After the automatic adjustment successfully completed, the adjusted value is saved.

Adjustment Procedure (Options Menu)

4 Display the resolution

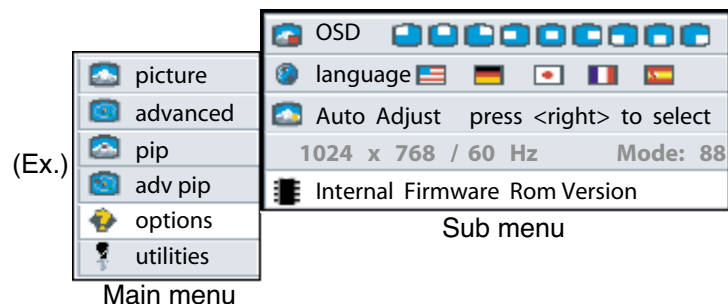
Select [options] on the Main menu. Display the current resolution below [Auto Adjust] on the Sub menu.

- Each time changing the resolution, its information is displayed.



5 Display the osd version

Select [options] on the Main menu, the osd version is always displayed in [Internal Firmware] on the Sub menu.



(Utilities Menu)

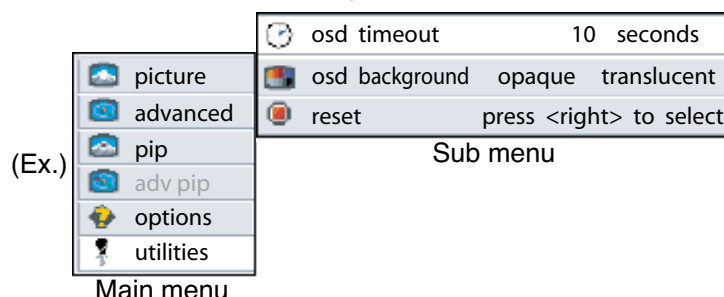
F. Utilities Menu

You can change the osd timeout and background, and also reset the osd setting if you select this menu.

1 Change the osd timeout

1. Select [utilities] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [osd timeout] on the Sub menu and press the [ENTER] button.

The selected item of [osd timeout] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 5~60)

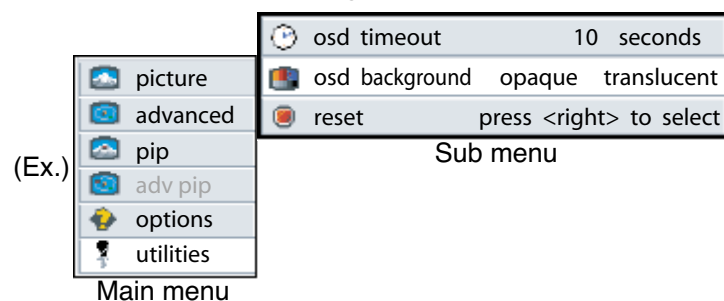
Press the [△] button to set the osd timeout longer.

Press the [▽] button to set the osd timeout shorter.

2 Change the osd background

1. Select [utilities] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



*Continued to next page.

Adjustment Procedure (Utilities Menu)

2. Select [osd background] on the Sub menu and press the [ENTER] button.

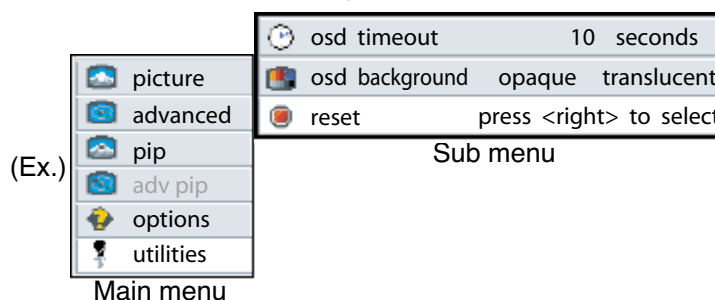
The selected item of [osd background] turns blue.

3. Use the [▽] and/or [△] button to select [opaque] or [translucent].

3 Delete the data saved at the current display mode

1. Select [utilities] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [reset] on the Sub menu and press the [ENTER] button.

The selected item of [reset] turns blue.

3. Press the [△] button to reset the osd setting.

All data adjusted/saved are deleted and then the data programmed by manufacturer is reloaded.

Adjustment for Composite Video / S-Video / Component Video screen (Picture Menu)

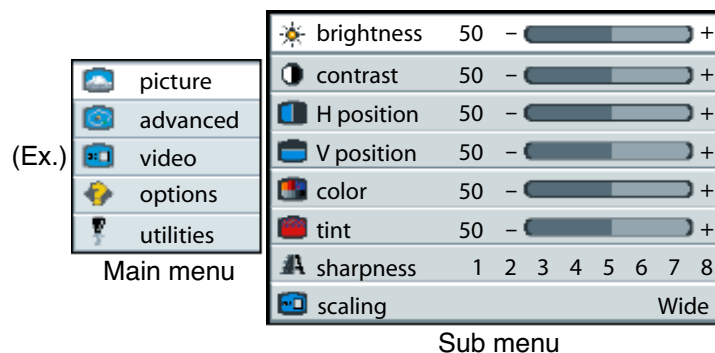
A. Picture Menu

The adjustment of brightness, contrast, horizontal position, vertical position, color, tint, sharpness and scaling for the picture are available.

1 Adjust the brightness

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [brightness] on the Sub menu and press the [ENTER] button.

The selected item of [brightness] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

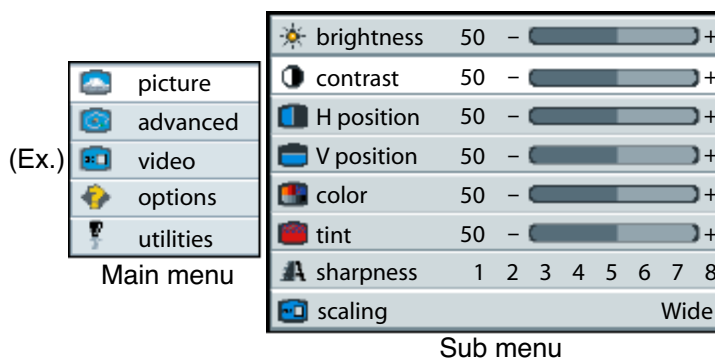
By pressing the [△] button, the whole screen is brighter .

By pressing the [▽] button, the whole screen is darker.

2 Adjust the contrast

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



Adjustment Procedure (Picture Menu)

2. Select [contrast] on the Sub menu and press the [ENTER] button.

The selected item of [contrast] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

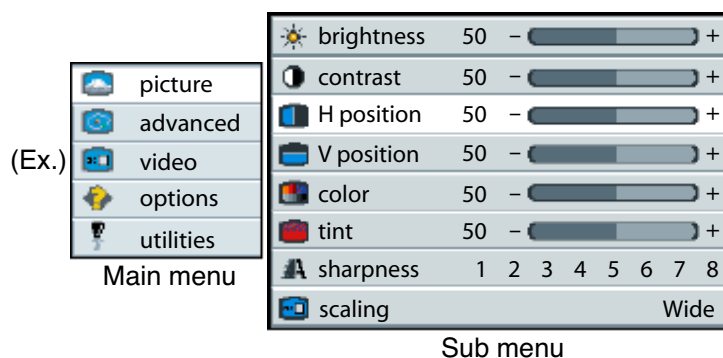
By pressing the [△] button, the contrast (difference between bright and dark) becomes lighter.

By pressing the [▽] button, the contrast (difference between bright and dark) becomes darker.

3 Adjust the horizontal position

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [H position] on the Sub menu and press the [ENTER] button.

The selected item of [H position] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

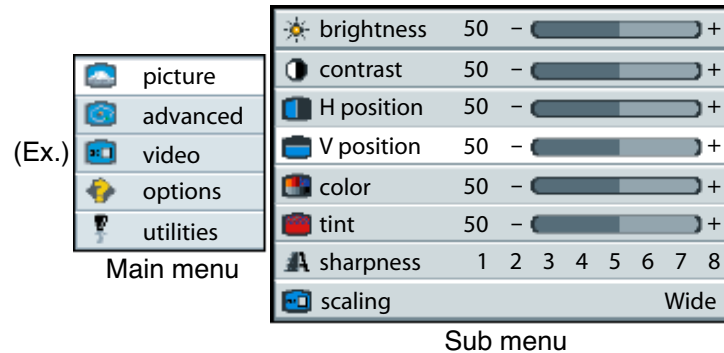
Press the [△] button to shift the screen to the right.

Press the [▽] button to shift the screen to the left.

4 Adjust the vertical position

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [V position] on the Sub menu and press the [ENTER] button.

The selected item of [V position] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

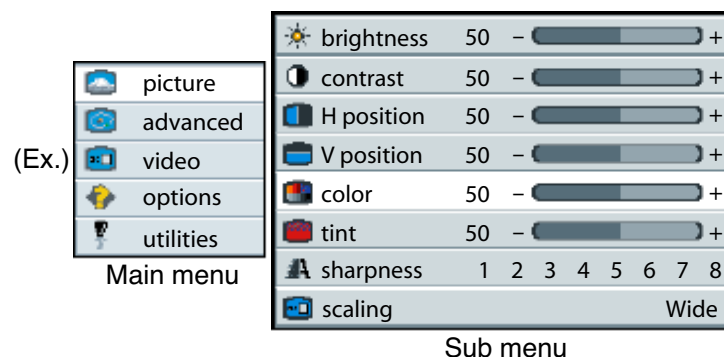
By press the [△] button to shift the screen to the top.

By press the [▽] button to shift the screen to the bottom.

5 Adjust the color

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [color] on the Sub menu and press the [ENTER] button.

The selected item of [color] turns blue.

*Continued to next page.

Adjustment Procedure (Picture Menu)

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

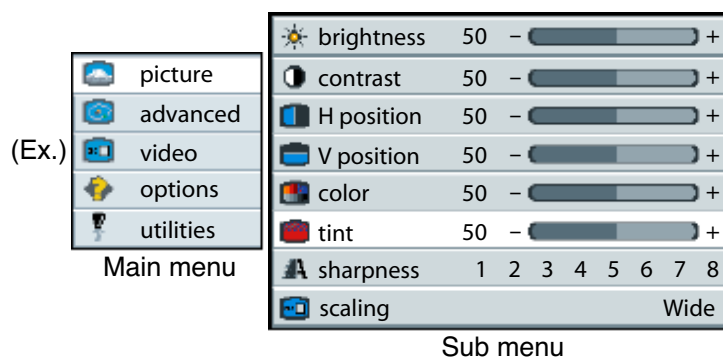
By pressing the [△] button, the screen lightens.

By pressing the [▽] button, the screen deepens.

6 Adjust the tint (NTSC signal only)

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [tint] on the Sub menu and press the [ENTER] button.

The selected item of [tint] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

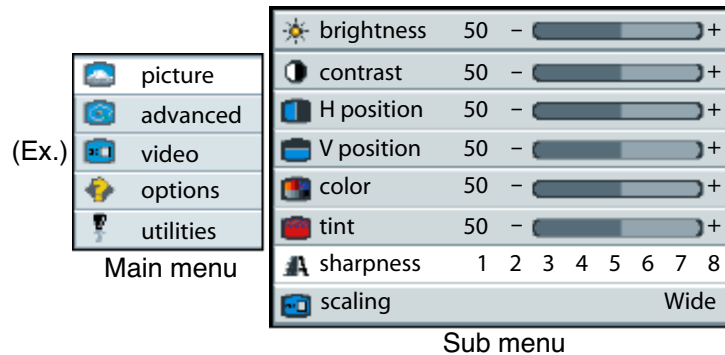
By pressing the [△] button, the skin color becomes more greenish.

By pressing the [▽] button, the skin color becomes more purplish.

7 Adjust the sharpness

1. Select [advanced] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [sharpness] on the Sub menu and press the [ENTER] button.

The selected item of [sharpness] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 1~8)

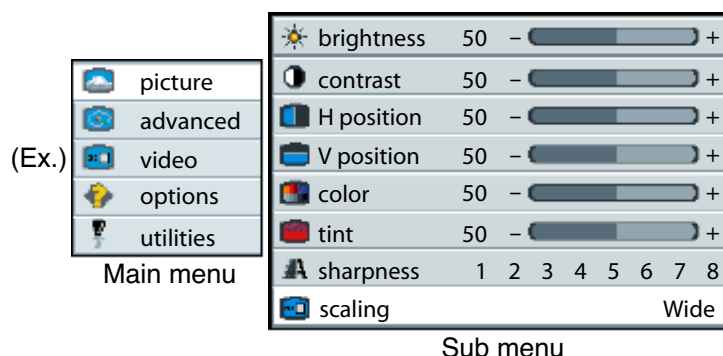
selected value	1	2	3	4	5	6	7	8
outline of the picture	clearly	←————→						darkly

Adjustment Procedure (Picture Menu)

8 Adjust the scaling

1. Select [picture] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [scaling] on the Sub menu and press the [ENTER] button.

The selected item of [scaling] turns blue.

3. Use the [▽] and/or [△] button to adjust.

When pressing the [△] button, the scaling can be selected according to the order [Wide] → [Normal] → [LB to 16:9] → [Panorama] → [Gamemode] → [Auto] → [Wide] in sequence.

When pressing the [▽] button, the scaling order is scrolled in opposite to the above order.

- | | | |
|----------------|---|---|
| [Wide] | → | Display the input picture converted the wide. |
| [Normal] | → | Display the standard input picture of an aspect ratio of 4:3. |
| [LB to 16 : 9] | → | Display the input picture of LB with an aspect ratio of 4:3 on the whole screen.
*LB stands for Letter Box. |
| [Panorama] | → | Display the input picture converted to the panorama size. |
| [Gamemode] | → | Display the input picture for TV game size. |
| [Auto] | → | Search the best mode for input picture from S-Video terminal and display the picture.
*[Auto] works for only S-video mode. |

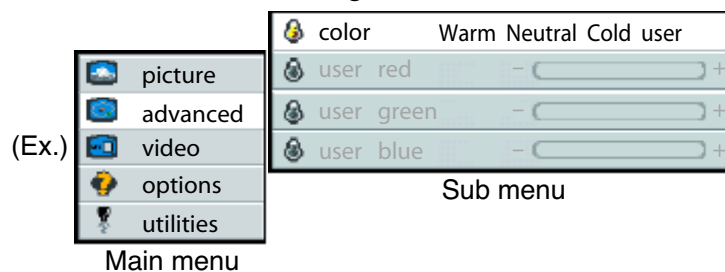
B. Advanced Menu

You can adjust the color temperature for the screen manually if you select this menu. Three preset values of color temperature are ready and you can set colors to your preferable values.

1 Adjust the color temperature (Preset)

1. Select [advanced] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [color] on the Sub menu and press the [ENTER] button.

The selected item of [color] turns blue.

3. Use the [▽] and/or [△] button to adjust.

<Preset value>		<Screen condition>
Warm	→	a little reddish white
Neutral	→	natural light
Cold	→	a little bluish white

When pressing the [△] button, the color temperature can be selected according to the order [Neutral] → [Cold] → [user] → [Warm] → [Neutral] in sequence.

When pressing the [▽] button, the color temperature order is scrolled in opposite to the above order.

- If [user] is selected, it is available to adjust three colors by [user red], [user green] and [user blue]. (see following step **2**)

Adjustment Procedure (Advanced Menu)

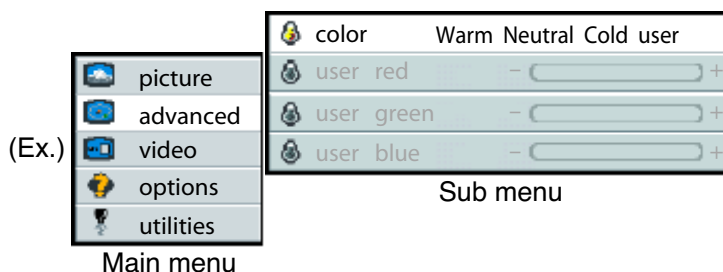
2 Adjust the color temperature (User)

If you wish to set user settings of color temperature, follow the steps.

(Ex.) In case adjusting the [user red], [user green] and [user blue] in sequence.

1. Select [advanced] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [color] on the Sub menu and press the [ENTER] button.

The selected item of [color] turns blue.

3. Select [user] with the [▽] and/or [△] button and press the [ENTER] button.

[user] turns red. Besides, [user red], [user green] and [user blue] are ready to adjust.

4. Select [user red] with the [▽] button and press the [ENTER] button.

The selected item of [user red] turns blue.

5. Adjust the red level with the [▽] and/or [△] button. (Interval: 0~100)

6. Press the [ENTER] button, and then press the [▽] button.

You can see the cursor moving to [user green].

Press the [ENTER] button.

The selected item of [user green] turns blue.

7. Adjust the green level with the [▽] and/or [△] button. (Interval: 0~100)

Press the [ENTER] button, and then press the [△] button.

You can see the cursor moving to [user blue].

8. Press the [ENTER] button.

The selected item of [user blue] turns blue.

Adjust the blue level with the [▽] and/or [△] button. (Interval: 0~100)

Adjustment for Composite Video / S-Video / Component Video screen (Video Menu)

	pressing the [▽] button	pressing the [△] button
user red	more reddish	less reddish
user green	more greenish	less greenish
user blue	more bluish	less bluish

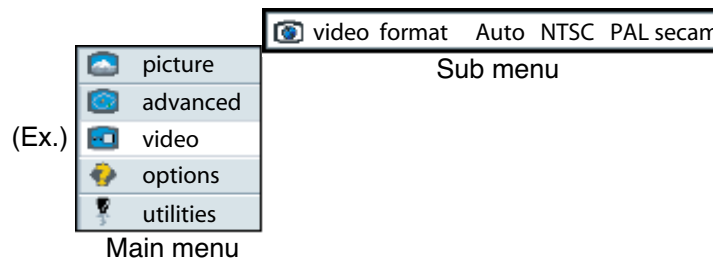
C. Video Menu

When video signal is input, you can select the video format (NTSC/PAL/SECAM) manually.

1 Select the video format

1. Select [video] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [video format] on the Sub menu and press the [ENTER] button.

The selected item of [video format] turns blue.

3. Use the [▽] and/or [△] button to select the video format.

When pressing the [△] button, the video format can be selected according to the order [Auto] → [NTSC] → [PAL] → [secam] → [Auto] in sequence.

When pressing the [▽] button, the video format order is scrolled in opposite to the above order.

[Auto]	→	Search and switch to the input signal automatically.
[NTSC]	→	Switch to the NTSC signal.
[PAL]	→	Switch to the PAL signal.
[secam]	→	Switch to the SECAM signal.

Adjustment Procedure (Options Menu)

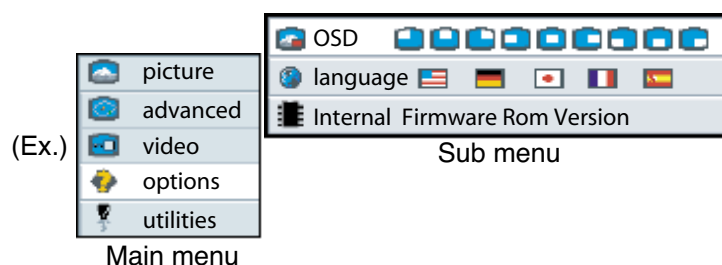
D. Options Menu

You can select the osd position, language used in osd and display the osd version if you select this menu.

1 Select the osd position

1. Select [options] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [osd] on the Sub menu and press the [ENTER] button.

The selected item of [osd] turns blue.

3. Use the [▽] and/or [△] button to select the position.

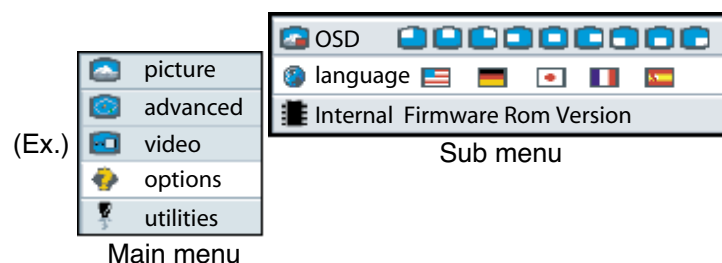
When pressing the [△] button, the position of pip (picture in picture) can be selected according to the order → → → → → → → in sequence.

When pressing the [▽] button, the position of pip order is scrolled in opposite to the above order.

2 Select language used in OSD (On Screen Display)

1. Select [options] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [language] on the Sub menu and press the [ENTER] button.

The selected item of [language] turns blue.

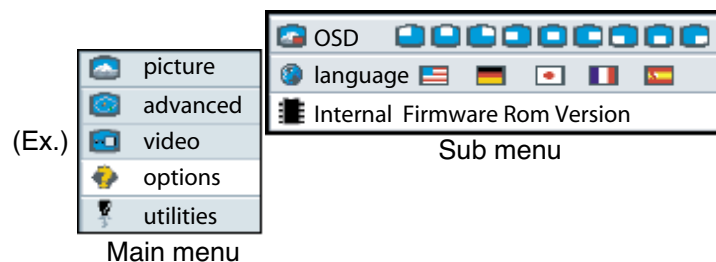
3. Use the [▽] and/or [△] button to select the language.

When pressing the [△] button, the language can be selected according to the order [English] → [German] → [Japanese] → [French] → [Spanish] → [English] in sequence.

When pressing the [▽] button, the language is scrolled in opposite to the above order.

3 Display the osd version

Select [options] on the Main menu, the osd version is always displayed in [Internal Firmware] on the Sub menu.



Adjustment Procedure (Utilities Menu)

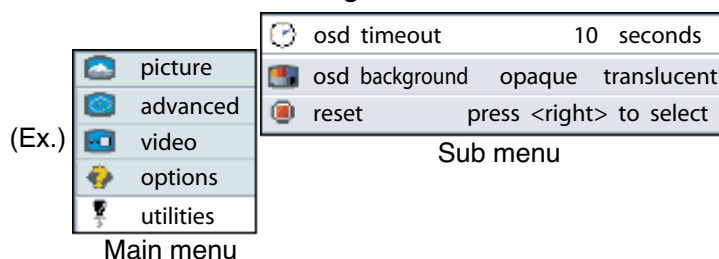
E. Utilities Menu

You can change the osd timeout and background, and also reset the osd setting if you select this menu.

1 Change the osd timeout

1. Select [utilities] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [osd timeout] on the Sub menu and press the [ENTER] button.

The selected item of [osd timeout] turns blue.

3. Use the [▽] and/or [△] button to adjust. (Interval: 5~60)

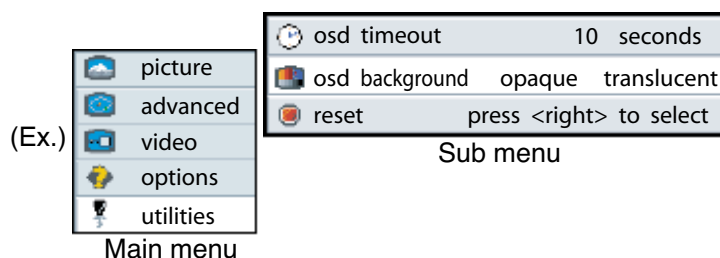
Press the [△] button to set the osd timeout longer.

Press the [▽] button to set the osd timeout shorter.

2 Change the osd background

1. Select [utilities] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [osd background] on the Sub menu and press the [ENTER] button.

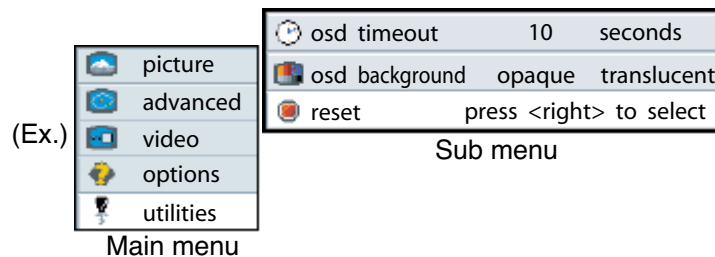
The selected item of [osd background] turns blue.

3. Use the [∇] and/or [Δ] button to select [opaque] or [translucent].

3 Delete the data saved at the current display mode

1. Select [utilities] on the Main menu and press the [ENTER] button.

You can see the cursor moving to the Sub menu.



2. Select [reset] on the Sub menu and press the [ENTER] button.

The selected item of [reset] turns blue.

3. Press the [Δ] button to reset the osd setting.

All data adjusted/saved are deleted and then the default settings programmed by manufacturer is reloaded.

Additional Functions

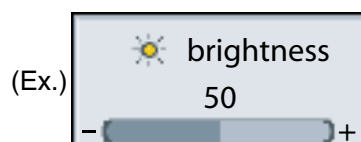
Shortcut Menu

You can shortcut to adjust the brightness and contrast of the whole screen and size of picture in picture. When the OSD (On Screen Display) is not displayed, it is possible to display the Shortcut Menu. The adjustment flow is described in below:

1 Display the Shortcut Menu

1. When the OSD (On Screen Display) is not displayed, it is possible to display the Shortcut Menu. Press the [ENTER] button.

The shortcut menu is displayed.



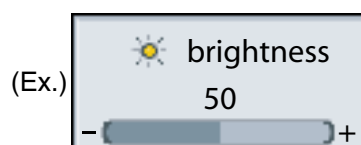
2. Use the [ENTER] button to select the shortcut menu.

When pressing the [ENTER] button, the shortcut menu can be selected according to the order [brightness] → [contrast] → [pip enable] → [brightness] in sequence.

- Every time the [ENTER] button is pressed, the shortcut menu changes.
- The shortcut menu disappears according to the setting in [osd timeout] menu (see page 47).

2 Adjust the brightness

1. Use the [ENTER] button to select [brightness] menu.



2. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

By pressing the [△] button, the whole screen is brighter.

By pressing the [▽] button, the whole screen is darker.

3 Adjust the contrast

1. Use the [ENTER] button to select [contrast] menu.



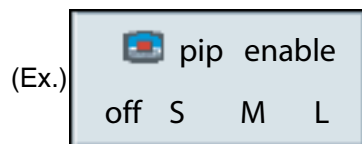
2. Use the [▽] and/or [△] button to adjust. (Interval: 0~100)

By pressing the [△] button, the contrast (difference between bright and dark) becomes darker.

By pressing the [▽] button, the contrast (difference between bright and dark) becomes lighter.

4 Select the size of pip (picture in picture)

1. Use the [ENTER] button to select [pip enable] menu.



2. Use the [▽] and/or [△] button to select the size of pip.

The selected size turns red.

When pressing the [△] button, the pip can be displayed at the size according to the order [off] → [S] → [M] → [L] → [off] in sequence.

When pressing the [▽] button, the size of pip is scrolled in opposite to the above order.

- When [off] is selected, [pip] menu and pip disappear. In case selecting [small] or [medium] or [large], [pip] menu appears.

Additional Functions



Power Management System

This is the function to reduce the monitor's power consumption, when a computer has not been used for long, even when the power to a LCD Monitor is "ON". In order to activate this system, it must be connected and used with a computer that conforms to DPMS (Display Power Management Signaling) Standard of the VESA (Video Electronics Standards Association).



Plug and Play

This monitor conforms to DDC2B (Display Data Channel 2B) standard of VESA. (DDC stands for display data channel and is a registered trademark of VESA)

*This monitor does not correspond to DDC1, so that Plug and Play function will not be operated normally by some computers or graphic accelerators.

Always unplug the AC cable from the outlet before maintenance.

Also unplug the signal cables from the computer.

Cabinet

Soak a soft cloth in water or neutral detergent, wring well, and wipe the cabinet gently. Never use solvents such as paint thinner or benzene as they will damage the surface of the cabinet. Follow the manufacturer's directions when using chemically treated cloths.

Display Screen

Gently blow away any dust that has adhered to the display screen. Apply a small amount of water to a soft cloth, wring well and then wipe gently. Do not use organic solvents such as ethyl alcohol, thinner or benzene etc. Do not rub with pointy objects such as a pen or screwdriver.

Fault Finding

Please check the following items before requesting repair. When this LCD monitor still does not work properly after checking in following way, stop using it, turn off the power switch, unplug the power plug from the AC Outlet, and contact the store where it was purchased. In case a COMPUTER is connected, please refer to the User's Manual for this LCD monitor also.

Computer Screen is displayed:

Problem	Check Item	Treatment	Page No.
No picture	Is a computer's signal timing (horizontal or Vertical synchronous signals) over the range specified for this monitor ?	Check a computer manual and set the signal timing so that it falls within the range for this monitor's specification.	57
Screen's display range is incorrect.	Is the computer's screen size set correctly ?	Reset the screen size.	—
Part of screen is missing.	Is the adjustment for screen correctly ?	Adjust the screen.	11
Picture is distorted.	Is the RGB or DVI cable connected securely ?	Check the RGB or DVI cable connection.	7
	Is the screen adjusted correctly ?	Adjust the screen correctly.	11
	The computer's signal timing may not match the monitor's specifications.	Check the computer's specifications.	—
Not change to another input signal.	Is the cable connected exactly?	Check the RGB or DVI cable connection.	7

Video Screen is displayed:

Problem	Check Item	Treatment	Page No.
No picture	Does the Power Switch on an equipment connected turn ON?	Check the power status on an equipment connected.	—
	Is a signal cable connected firmly?	Check the cable connection.	8,9
Brightness, contrast and etc. are no good	Is the brightness or contrast and etc. on the screen adjusted correctly?	Adjust the screen again.	36

Screen Display

- This monitor conforms to the WXGA mode (1,280 x 768 dots).
- This monitor does not support the computer's display mode which is larger than WXGA mode (1,280 x 768 dots). Its display is possible but there is no guarantee.
- Displaying the same screen for an extended period of time may leave a residual image; this does not indicate a broken or defective display. The display will return to normal after the power is turned off and the unit stands for a while. Use of a screen saver is recommended.
- Bright dots (dots that remain lit) or black dots (unlit dots) on the LCD monitor's display are normal; they do not indicate a broken or defective display.
- When the LCD monitor shows the Composite Video, S-Video etc., it is displayed on a little bit wider screen which compares to a normal television set. Depend on the image, it might be possible to show it on a full screen.

Table of Preset Data

Fifteen signal timing patterns indicated in the tables below are preset when the monitor is shipped from the factory. Up to 8 additional timing patterns can also be stored. The timing pattern is automatically determined and displayed according to the synchronous signals of the computer being used. The monitor will use the closest timing pattern for display when a perfectly matched one is not available.

The frequencies of No.14 and No.15 in the list below are only recommended.

No.	Resolution	Vertical Frequency	Horizontal Frequency
1	640 x 350 dots	70 Hz	31.4 kHz
2	640 x 400 dots	70 Hz	31.4 kHz
3	640 x 480 dots	60 Hz	31.5 kHz
4	640 x 480 dots	72 Hz	37.8 kHz
5	640 x 480 dots	75 Hz	37.5 kHz
6	800 x 600 dots	56 Hz	35.1 kHz
7	800 x 600 dots	60 Hz	37.9 kHz
8	800 x 600 dots	72 Hz	48.1 kHz
9	800 x 600 dots	75 Hz	46.9 kHz
10	832 x 624 dots	75 Hz	49.6 kHz
11	1,024 x 768 dots	60 Hz	48.4 kHz
12	1,024 x 768 dots	70 Hz	56.5 kHz
13	1,024 x 768 dots	75 Hz	60.2 kHz
14	1,280 x 768 dots	60 Hz	48.4 kHz
15	1,280 x 768 dots	75 Hz	60.2 kHz

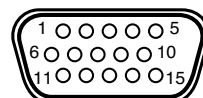
Note : The frequency of No.15 is applied to Analog mode only.

Cable Pin Arrangement

Analog Video Input : mini D-Sub (15pin)

No.	Signal name	No.	Signal name	No.	Signal name
1	R	6	R GND	11	—
2	G	7	G GND	12	DDC data line*
3	B	8	B GND	13	Hor. Sync.
4	—	9	—	14	Vert. Sync.
5	DDC GND*	10	GND	15	DDC clock line*

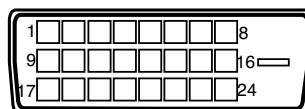
* DDC Standard (VESA)



Cable Pin Arrangement (female)

Digital Video Input : DVI-D (24pin)

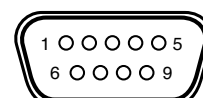
No.	Signal name	No.	Signal name	No.	Signal name
1	T.M.D.S. Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2/4 Shield	11	T.M.D.S. Data1/3 Shield	19	T.M.D.S. Data0/5 Shield
4	T.M.D.S. Data4-	12	T.M.D.S. Data3-	20	T.M.D.S. Data5-
5	T.M.D.S. Data4+	13	T.M.D.S. Data3+	21	T.M.D.S. Data5+
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (for +5V)	23	T.M.D.S. Clock+
8	No Connect	16	Hot Plug Detect	24	T.M.D.S. Clock-



Cable Pin Arrangement (female)

RS232C : D-SUB (9pin)

No.	Signal name	No.	Signal name	No.	Signal name
1	No Connect	4	DTR	7	No Connect
2	RXD	5	GND	8	No Connect
3	TXD	6	DSR	9	No Connect



Cable Pin Arrangement (male)

Monitor Specifications

LCD

Liquid Crystal Panel	TFT
Display Size	39.6"
Pixel Configuration	1,280 x 768
Pixel Pitch	0.6735 x 0.6735 mm
Brightness	420 cd/m ² typ.
Response Time	22 ms
Contrast	600 : 1 typ.
Angle of Visibility	Up 85, Down 85, Right 85, Left 85 degrees (contrast ratio of less than 10)

PC Input

Vertical signal	56 - 75 Hz
Horizontal signal	31.4 - 60.2 kHz
Video Signal	Analog: RGB 75 Ω 0.7Vp-p Digital: DVI Standard Version 1.0
No. of Colors	16.77 million
OSD Language	English, German, Japanese, French, Spanish
Plug & Play	VESA DDC2B
Power Management	VESA DPMS

Video Input

Composite Video	Signal	75 Ω , 1Vp-p (NTSC, PAL, SECAM)
	Connector	BNC x 1
S-Video	Signal	Luminance : 75 Ω 1Vp-p Chrominance : 75 Ω 0.286Vp-p (NTSC, PAL SECAM)
	Connector	Mini DIN 4pin X1
Component Video	Signal	Y/Cb/Cr, Analog RGB+C SYNC, Analog RGB+HD/VD
	Connector	BNC x 5

Physical

Dimensions	941 (W) x 601 (H) x 120 (D) mm		
Weight	28.6 kg		
Operating Conditions	Temperature:	Operating: 5°C to 35°C Storage: -20°C to +60°C	
	Humidity:	30% to 85% RH (no condensation)	
Power Supply	Input:	AC 120V(North America)	AC 220-240V(Europe)
	Output:	Available to cascade	
Power Consumption	260 W (28 W in Energy Saving mode)		

Note : To improve this LCD monitor's performance level, its specifications and appearance are subject to change without notice.

Federal Communications Commission (FCC) Statement

This device has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ◆ reorient or relocate the receiving antenna
- ◆ increase the separation between the equipment and receiver
- ◆ connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- ◆ consult the dealer or an experienced radio/TV technician for help

Accessories: This equipment has been tested and found comply with the limits of a Class A digital device. The accessories associated with this equipment are as follows:

- ◆ shielded video cable

These accessories are required to be used in order to ensure compliance with FCC rules.

Planar Systems, Inc.

Customer Service

Online Support: <http://planar.custhelp.com>

E-mail: desktopmonitors@planar.com

Tel: 1-866-PLANAR-1 (1-866-752-6271)

Hours: M-F, 8am - 9pm Eastern Time

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