SyncMaster 400UXn,460UXn

LCD Monitor

User Manual

Introduction

-- 400UXn --

Package Contents

Note

Please make sure the following items are included with your LCD Display.

If any items are missing, contact your dealer.

Contact a local dealer to buy optional items.

Note

This stand is not for the Floor Standing Type.

Unpacking

LCD Display

Manuals

Quick Setup Guide

Warranty Card

(Not available in all locations)

User's Guide

Cables

D-Sub Cable

Power Cord

Others

Remote Control

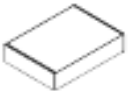
Batteries (AAA X 2)

(Not available in all locations)

BNC to RCA Adaptor Jack

Sold separately

DVI Cable



Wall Mount KIT

Semi Stand KIT

Calibrater

BNC Cable

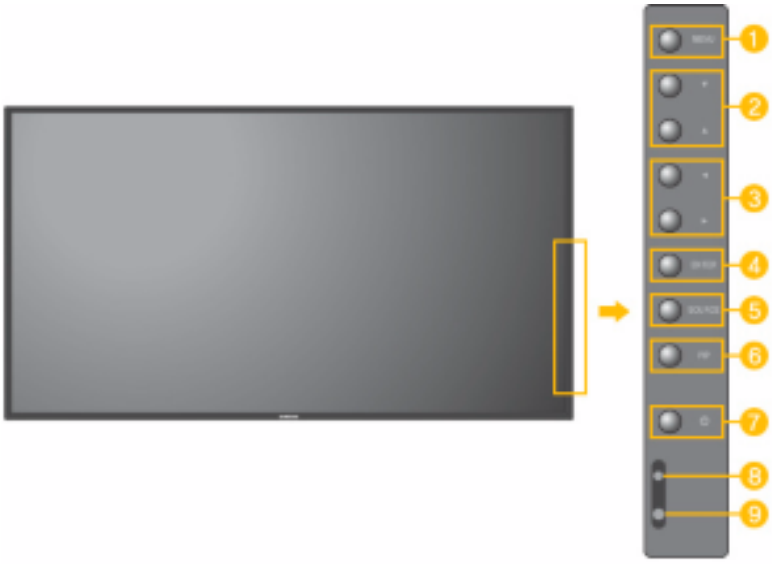
LAN Cable

For more information on the use of the calibrater, see Natural Color Expert Help.

-- 400UXn --

Your LCD Display

Front



1. *MENU button [MENU]*

Opens the on-screen menu and exits from the menu. Also use to exit the OSD menu or return to the previous menu.

2 *Navigate buttons (Up-Down buttons)*

Moves from one menu item to another vertically or adjusts selected menu values.

3 *Adjust buttons (Left-Right buttons) / Volume buttons*

Moves from one menu item to another horizontally or adjusts selected menu values. When OSD is not on the screen, push the button to adjust volume.

4 *ENTER button [ENTER]*

Activates a highlighted menu item.

5 *SOURCE button [SOURCE]*

Switches from PC mode to Video mode. Changing the source is only allowed for external devices that are connected to the LCD Display at the time.

[**PC**] → [**BNC**] → [**DVI**] → [**AV**] → [**S-Video**] → [**Component**] → [**HDMI**] → [**MagicInfo**]

>> Click here to see an animation clip

6 *PIP*

Push the PIP button to turn the PIP screen On / Off.

More than one PIP cannot overlap on screen as BNC and the component use the same terminal.

>> Click here to see an animation clip

- **PC**

  AV / **S-Video** / **Component** / **HDMI** Mode

- **BNC**

  AV / **S-Video** / **HDMI** Mode

- **DVI**

  AV / **S-Video** / **Component** Mode

- **AV** / **S-Video**

  PC / **BNC** / **DVI** Mode

- **Component**

  PC / **DVI** Mode

- **HDMI**

  PC / **BNC** Mode

7 *Power button [⏻]*

Use this button for turning the LCD Display on and off.

8 *Power indicator*

Shows PowerSaver mode by blinking green

Note

See PowerSaver described in the manual for further information regarding power saving functions. For energy conservation, turn your LCD Display OFF when it is not needed or when leaving it unattended for long periods.

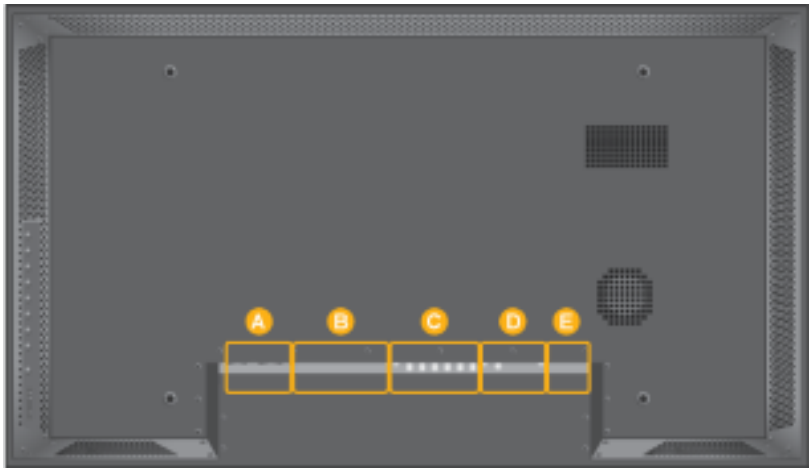
9 *Remote Control Sensor*

Aim the remote control towards this spot on the LCD Display.

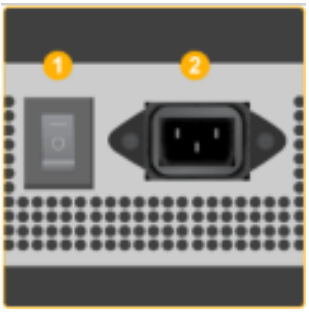
Rear

Note

For detailed information concerning cable connections, refer to Connecting Cables under Setup. The LCD Display 's configuration at the back may vary slightly depending on the LCD Display model.



A



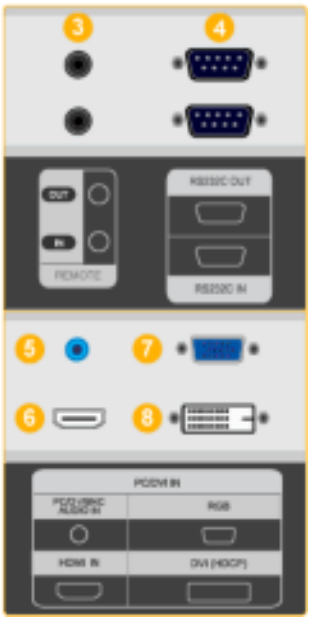
1 *POWER S/W ON [|] / OFF [O]*

Switches the LCD Display On/Off.

2 *POWER IN*

The power cord plugs into the LCD Display and the wall plug.

B



3 *REMOTE OUT/IN*

You can use a wired remote control by connecting it to your LCD Display.

4 *RS232C OUT/IN (RS232C Serial PORT)*

MDC(Multiple Display Control) Program Port

5 *DVI / PC / HDMI IN [PC/DVI/BNC AUDIO IN] (PC/DVI/BNC/HDMI Audio Connection Terminal (Input))*

6 *DVI / PC / HDMI IN [HDMI]*

Connect the HDMI terminal at the back of your LCD Display to the HDMI terminal of your digital output device using a HDMI cable.

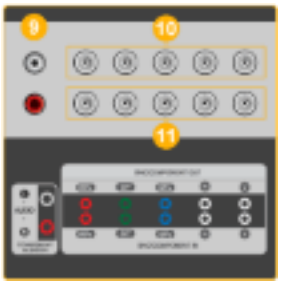
7 *DVI / PC / HDMI IN [RGB](PC Video Connection Terminal)*

Using a D-Sub Cable (15 pin D-Sub) - PC mode (Analog PC)

8 *DVI / PC / HDMI IN [DVI(HDCP)] (PC Video Connection Terminal)*

Using a DVI Cable (DVI-D to DVI-D) - DVI mode (Digital PC)

C



9 *COMPONENT AUDIO IN [L-AUDIO-R] (Component Audio Connection Terminal (Input))*

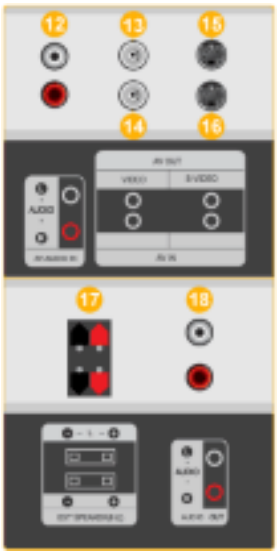
10 *BNC/COMPONENT OUT [R/PR, G/Y, B/PB, H, V] (BNC/Component Connection Terminal (Output))*

BNC (Analog PC) Connection: connecting the R, G, B, H, V ports

Component Connection: connecting the PR, Y, PB ports

11 *BNC/COMPONENT IN [R/PR, G/Y, B/PB, H, V](BNC/Component Connection Terminal (Input))*

D



12 *AV AUDIO IN [L-AUDIO-R] (LCD Display Audio Connection Terminal (Input))*

13 *AV OUT [VIDEO](VIDEO Connection Terminal)*

AV mode (Output)

14 *AV IN [VIDEO](VIDEO Connection Terminal) (Input)*

15 *AV OUT [S-VIDEO] (S-VIDEO Connection Terminal)*

S-VIDEO mode (Output)

16 *AV IN [S-VIDEO](S-VIDEO Connection Terminal) (Input)*

17 *EXT SPEAKER(8 Ω)[- - L - +, - - R - +] (EXT Speaker Connection Terminal)*

18 *AUDIO OUT [L-AUDIO-R] (LCD Display Audio Connection Terminal (Output))AUDIO OUT is the terminal for sound output of PC, DVI or BNC.*

E

19 *LAN (LAN Connection Terminal)*

20 *USB(USB Connection Terminal)*

Keyboard / Mouse, Mass Storage Device Compatible.

Note

The number of LCD Displays that can be connected to loopout may differ depending on the cables, signal source etc. With cables where there is no degradation or signal source, up to ten LCD Displays can be connected.

Note

See Connecting Cables for further information regarding cable connections.

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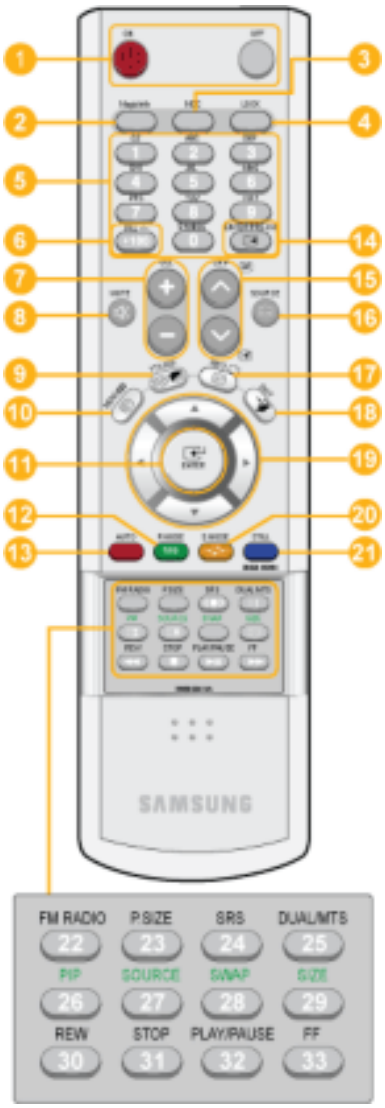
Remote Control

Note

The performance of the remote control may be affected by a TV or other electronic device operating near the LCD Display , causing a malfunction due to interference with the frequency.



1. ON / OFF
2. MagicInfo
3. MDC
4. LOCK
5. MagicInfo buttons
6. +100 DEL -/--
7. VOL
8. MUTE
9. TTX/MIX
10. MENU
11. ENTER
12. M/B P.MODE
13. AUTO
14. ENTER/PRE-CH
15. CH/P
16. SOURCE
17. INFO
18. EXIT
19. Up-Down Left-Right buttons
20. S.MODE
21. STILL
22. FM RADIO
23. P.SIZE
24. SRS
25. DUAL/MTS
26. *PIP*
27. *SOURCE*
28. *SWAP*
29. *SIZE*
30. REW

31 ■ STOP

32 ▶II PLAY/PAUSE

33 ▶▶ FF

1. ON / OFF	Turns the LCD Display On/Off.
2. MagicInfo	MagicInfo Quick Launch Button.
3. MDC	MDC Quick Launch Button.
4. LOCK	Activates or deactivates all function keys on both the remote control and the LCD Display except for the Power and LOCK buttons.
5. MagicInfo buttons	MagicInfo Quick Launch Button. • Alphanumeric: Used to enter the Internet address. • DEL: Functions as the backspace. • SYMBOL: Used to enter the symbols. (.O_-) • ENTER: Used to enter values.
6. +100 DEL -/--	Press to select channels over 100. For example, to select channel 121, press "+100", then press "2" and "1". - This fuction does not work for this LCD Display.
7. VOL	Adjusts the audio volume.
8. MUTE	Pauses (mutes) the audio output temporarily. This is displayed on the lower left corner of the screen. The audio resumes if MUTE or - VOL + is pressed in the Mute mode.
9. TTX/MIX	TV channels provide text information services via teletext. - This fuction does not work for this LCD Display.
10. MENU	Opens the on-screen menu and exits from the menu screen or closes the screen adjustment menu.
11. ENTER	Activates a highlighted menu item.
12. M/B P.MODE	When you press this button, current picture mode is displayed on the lower center of the screen. ***AV / S-Video / Component** : P.MODE* The LCD Display has four automatic picture settings that are preset at the factory. Then push button again to circle through available preconfigured modes. (**Dynamic → Standard → Movie → Custom**) ***PC / DVI / BNC** : M/B **(MagicBright)*** **MagicBright** is a new feature providing the optimum viewing environment depending on the contents of the image you are

watching. Then push button again to circle through available pre-configured modes. (**Entertain → Internet → Text → Custom**)

13. AUTO — Adjusts the screen display automatically in **PC** mode. By changing the resolution in the control panel, auto function is performed.

14. ENTER/PRE-CH — Returns to the immediately previous channel.

- This fuction does not work for this LCD Display.

15. CH/P — In **TV** mode, selects TV channels.

- This fuction does not work for this LCD Display.

16. SOURCE — Changes the video source.

17. INFO — The current picture information is displayed in the top left corner of the screen.

18. EXIT — Exits from the menu screen.

19. Up-Down Left-Right buttons — Moves from one menu item to another horizontally, vertically or adjusts selected menu values.

20. S.MODE — When pressing this button, the current mode is displayed at the bottom centre of the screen. The LCD Display has a built-in high fidelity stereo amplifier. Then press the button again to circle through available preconfigured modes. (**Standard → Music → Movie → Speech → Custom**)

21. STILL — Press the button once to freeze the screen. Press it again to unfreeze.

22. FM RADIO — Turns the FM Radio on/off. In **PC/DVI** mode, sets the SOUND to FM Radio. In general Video mode, selects FM Radio, and turns off the screen. In areas where the signal is weak, noise may occur during FM radio broadcasts.

- This fuction does not work for this LCD Display.

23. P.SIZE — Press to change the screen size.

24. SRS — SRS

25. DUAL/MTS — *DUAL-*

STEREO/MONO, DUAL I / DUAL II and MONO/NICAM MONO/NICAM STEREO can be operated depending on the broadcasting type by using the DUAL button on the remote control while watching TV.

MTS-

You can select MTS (Multichannel Television Stereo) mode.

	Audio Type	MTS/S_Mode	Default
FM Stereo	Mono	Mono	Manual Change
	Stereo	Mono ↔ Stereo	
	SAP	Mono ↔ SAP	Mono

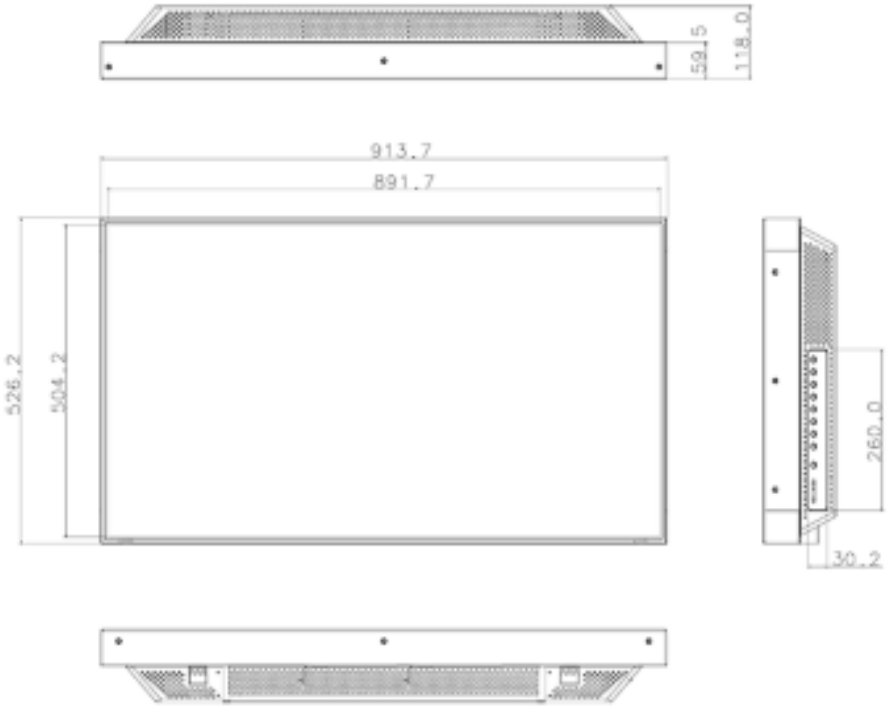
	- This fuction does not work for this LCD Display.
26. *PIP*	Every time you press the button, a PIP screen appears.
27. *SOURCE*	Changes the source of the PIP window signal.
28. *SWAP*	Swaps the contents of the PIP and main image. The image in the PIP window will appear on the main screen, and the main screen image will appear in the PIP window.
29. *SIZE*	Switches the PIP Picture Size.
30. REW	Rewind
31. STOP	Stop
32. PLAY / PAUSE	Play/Pause
33. FF	Fast forward

-- 400UXn --

Mechanical Layout

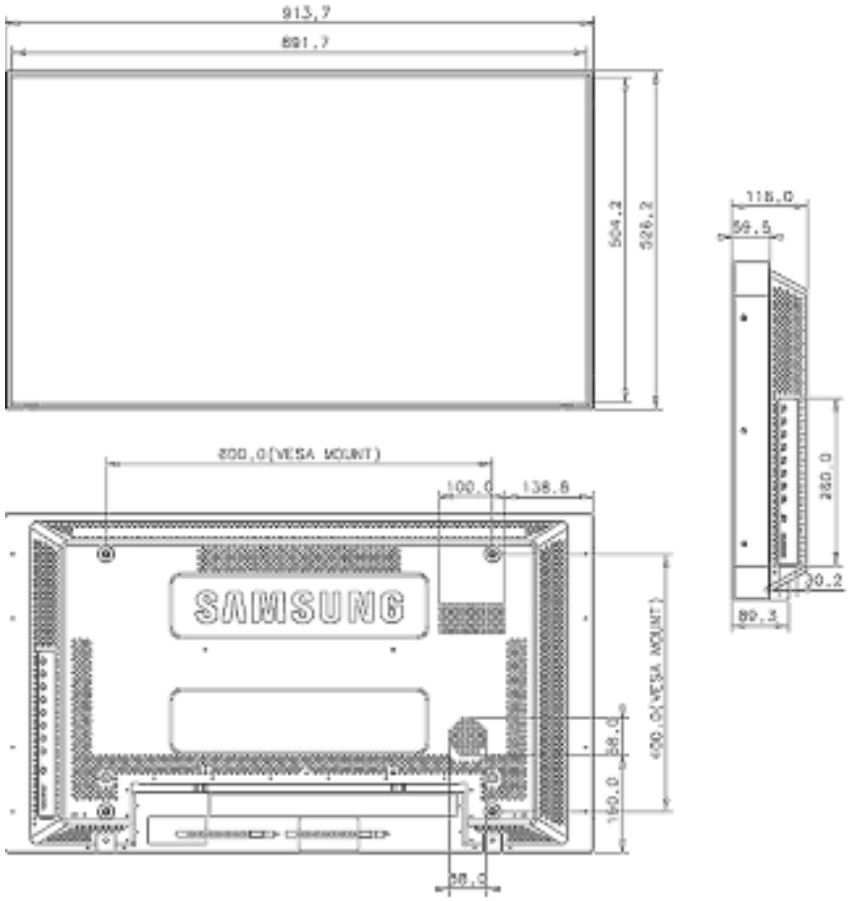
Mechanical Layout

NETWORK MODEL SIZE



LCD Display Head

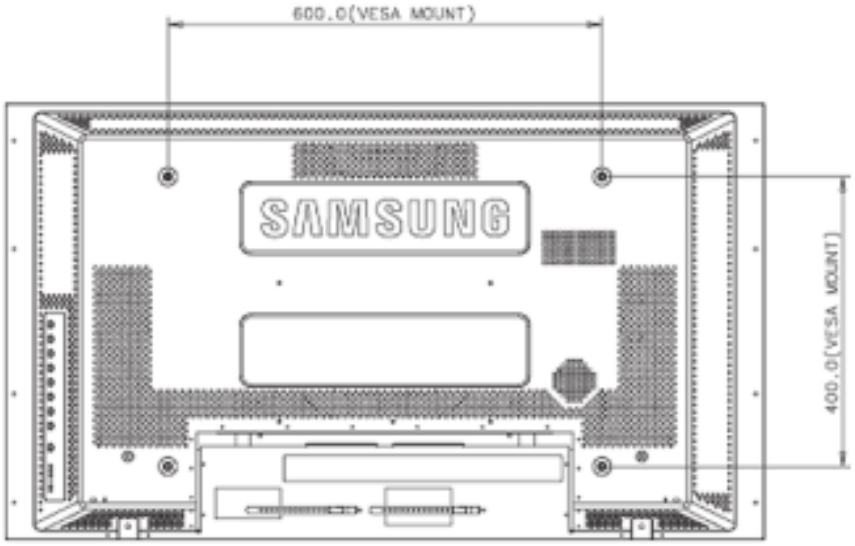
NETWORK MODEL SIZE



Installation VESA Bracket

- When installing VESA, make sure to comply with the international VESA standards.
- Purchasing VESA Bracket and Installation Information : Please contact your nearest SAMSUNG Distributor to place an order. After your order is placed, installation professionals will visit you and install the bracket.
- At least 2 persons are needed in order to move the LCD Display.
- SAMSUNG is not responsible for any product damage or any injury caused by installation at customer's discretion.

Dimensions



Notice

For securing the bracket on a wall, use only machine screws of 6 mm diameter and 8 to 12 mm length.

Wall Bracket Installation

- Contact a technician for installing the wall bracket.
- SAMSUNG Electronics is not responsible for any damages to the product or harm to customers when the installation is done by the customer.
- This product is for installing on cement walls. The product may not stay in place when installed on plaster or wood.

Components

Only use the components and accessories shipped with the product.

Wall Bracket(1)	Hinge(Left 1, Right 1)	Plastic Hanger (4)	Screw (A)(11)	Screw(B) (4)	Anchor (11)	

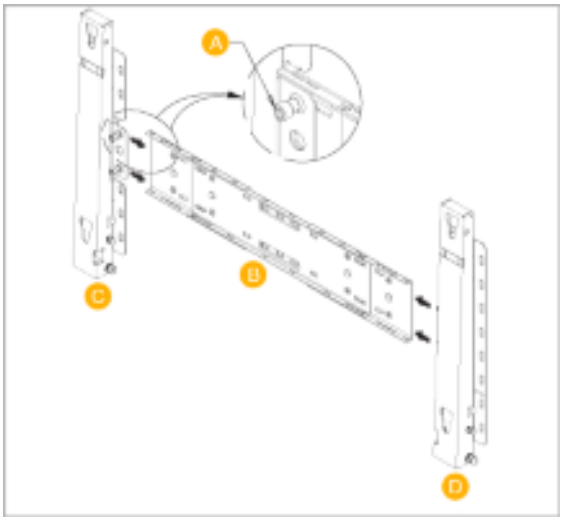
Wall Bracket Assembly

Note

There are two hinges(left and right). Use the correct one.

1. Insert and tighten the Captive Screw in the direction of the arrow.

   When done, mount the wall bracket on the wall.

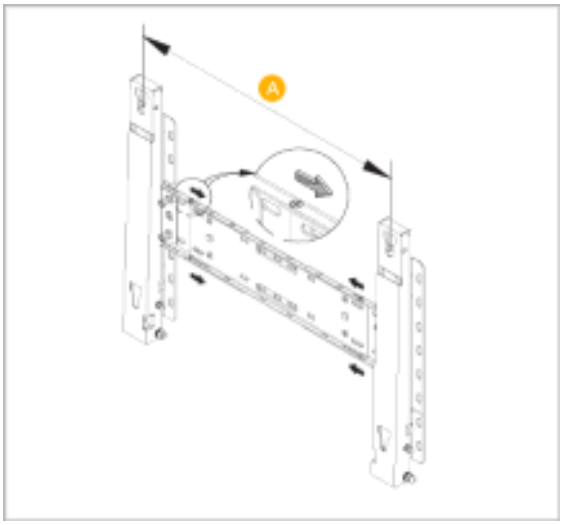


There are two hinges(left and right). Use the correct one.

A - Captive Screw
B - Wall Bracket
C - Hinge (Left)
D - Hinge (Right)

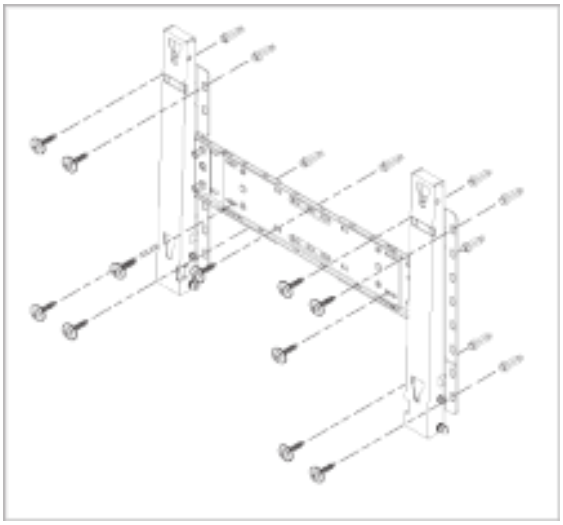
2. Before drilling into the wall, check if the length between the two locking holes at the back of the product is correct.

   If the length is too short or long, loosen all or some of the 4screws on the wall bracket to adjust the length.



A - Length between the two locking holes

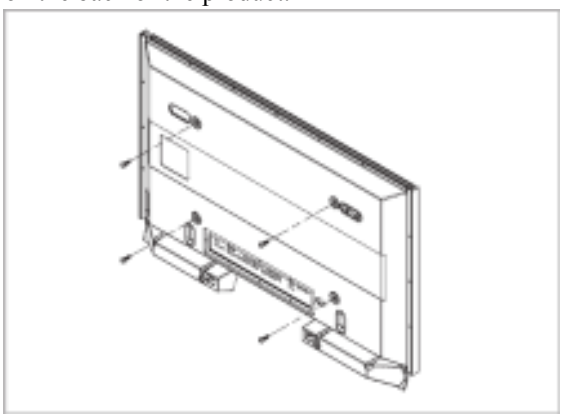
3. Check the installation diagram and mark the drill points on the wall. Use the 5.0 mm bit to drill holes deeper than 35 mm. Fix each anchor in the corresponding hole. Match each of the brackets and hinge holes to the corresponding anchor holes and insert and tighten the 11 screws A.



To mount the product on the wall bracket

The shape of the product may vary depending on the model. (The assemblies of the plastic hanger and the screw are the same)

1. Remove the 4 screws on the back of the product.

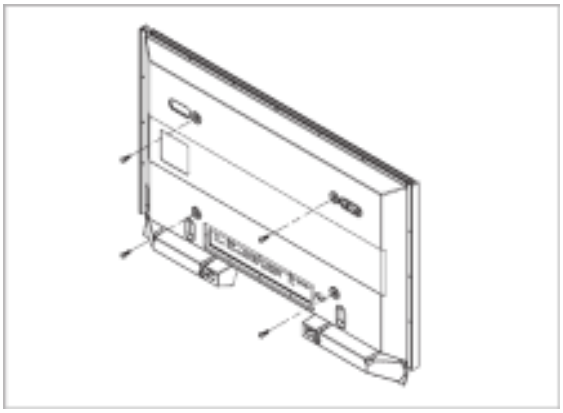


2. Insert the screw B into the plastic hanger.

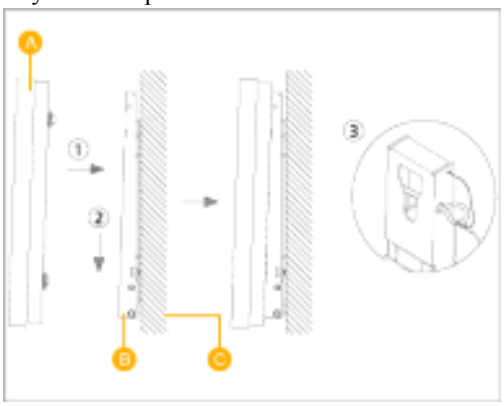
Notice

- Mount the product on the wall bracket and make sure it is properly fixed to the left and right plastic hangers.
- Be careful when installing the product on the bracket as fingers can be caught in the holes.
- Make sure the wall bracket is securely fixed to the wall, or the product may not stay in place after installation.

3. Tighten the 4 screws in step 2 (plastic hanger + screw B)to the rear holes of the product.



4. Remove safety pin (3) and insert the 4 product holders into the corresponding bracket holes (1). Then place the product(2) so that it is firmly fixed to the bracket. Make sure to re-insert and tighten the safety pin (3) to securely hold the product to the bracket.



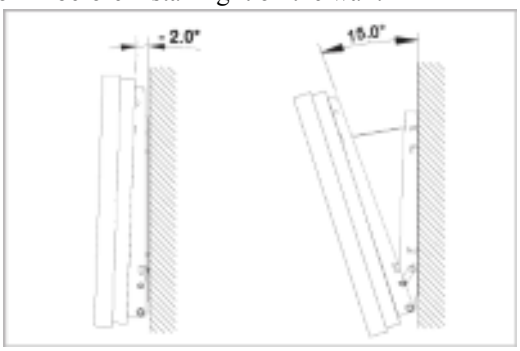
A - LCD Display

B - Wall Bracket

C - Wall

Wall Bracket Angle Adjustment

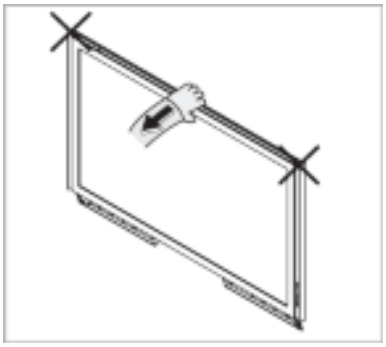
Adjust the bracket angle to -2° before installing it on the wall.



1. Fix the product to the wall bracket.

2. Hold the product at the top in the center and pull it forward (direction of the arrow) to adjust the angle.

3. You can adjust the bracket angle between -2° and 15°.



Make sure to use the top center, and not the leftor the right side of the product to adjust the angle.

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Please make sure the following items are included with your LCD Display.

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Contact a local dealer to buy optional items.

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This stand is not for the Floor Standing Type.

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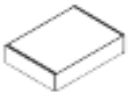


Wall Mount KIT

Semi Stand KIT

Calibrater

BNC Cable

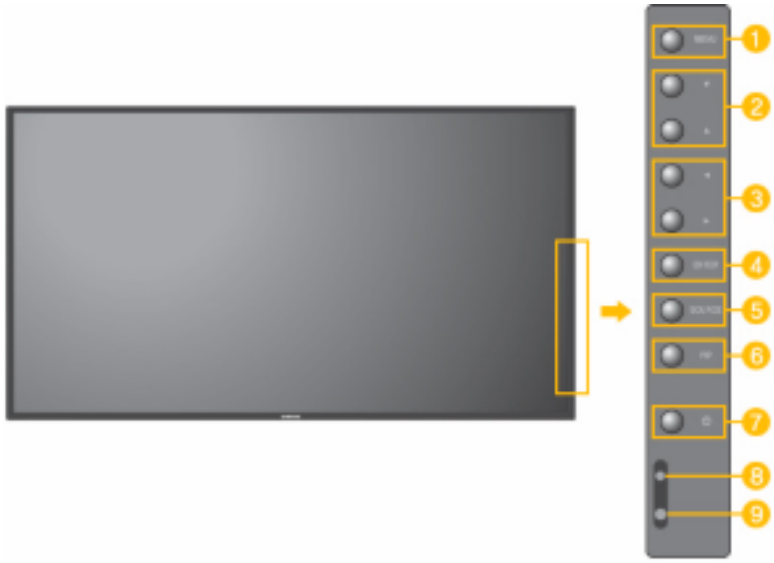
LAN Cable

For more information on the use of the calibrater, see Natural Color Expert Help.

-- 460DXn --

Your LCD Display

Front



1. *MENU button [MENU]*

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2. *Navigate buttons (Up-Down buttons)*

   Moves from one menu item to another vertically or adjusts selected menu values.

3. *Adjust buttons (Left-Right buttons) / Volume buttons*

   Moves from one menu item to another horizontally or adjusts selected menu values. When OSD is not on the screen, push the button to adjust volume.

4. *ENTER button [ENTER]*

   Activates a highlighted menu item.

5. *SOURCE button [SOURCE]*

   Switches from PC mode to Video mode. Changing the source is only allowed for external devices that are connected to the LCD Display at the time.

   [PC] → **[BNC]** → **[DVI]** → **[AV]** → **[S-Video]** → **[Component]** → **[HDMI]** → **[MagicInfo]**

   >> Click here to see an animation clip

6. *PIP*

   Push the PIP button to turn the PIP screen On / Off.

   More than one PIP cannot overlap on screen as BNC and the component use the same terminal.

   >> Click here to see an animation clip

   - **PC**

AV / **S-Video** / **Component** / **HDMI** Mode

- **BNC**

  AV / **S-Video** / **HDMI** Mode

- **DVI**

  AV / **S-Video** / **Component** Mode

- **AV** / **S-Video**

  PC / **BNC** / **DVI** Mode

- **Component**

  PC / **DVI** Mode

- **HDMI**

  PC / **BNC** Mode

7 *Power button [⏻]*

Use this button for turning the LCD Display on and off.

8 *Power indicator*

Shows PowerSaver mode by blinking green

Note

See PowerSaver described in the manual for further information regarding power saving functions. For energy conservation, turn your LCD Display OFF when it is not needed or when leaving it unattended for long periods.

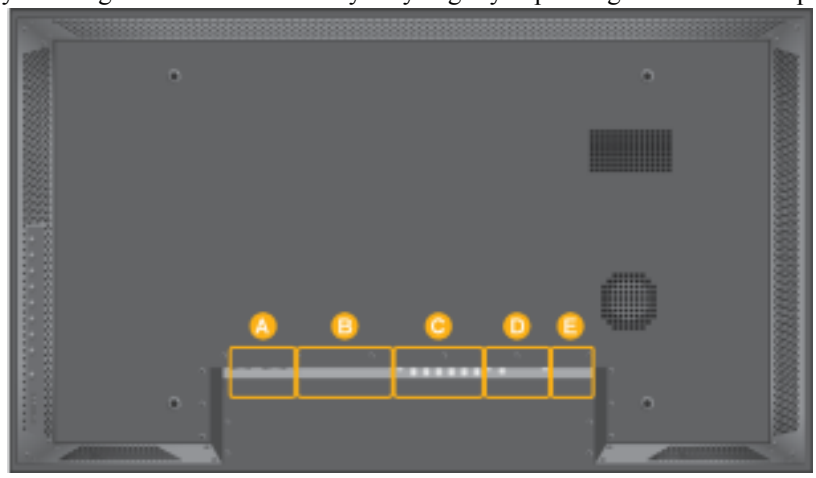
9 *Remote Control Sensor*

Aim the remote control towards this spot on the LCD Display.

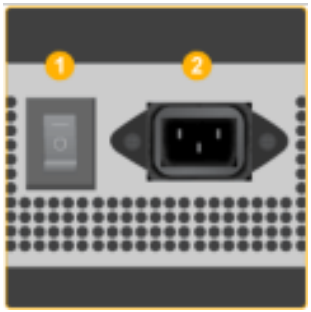
Rear

Note

For detailed information concerning cable connections, refer to Connecting Cables under Setup. The LCD Display 's configuration at the back may vary slightly depending on the LCD Display model.



A



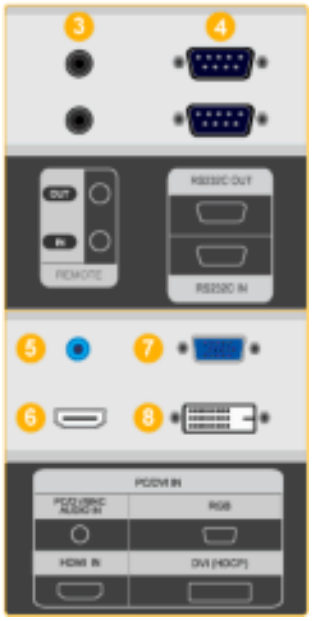
1 *POWER S/W ON [|] / OFF [O]*

Switches the LCD Display On/Off.

2 *POWER IN*

The power cord plugs into the LCD Display and the wall plug.

B



3 *REMOTE OUT/IN*

You can use a wired remote control by connecting it to your LCD Display.

4 *RS232C OUT/IN (RS232C Serial PORT)*

MDC(Multiple Display Control) Program Port

5 *DVI / PC / HDMI IN [PC/DVI/BNC AUDIO IN] (PC/DVI/BNC/HDMI Audio Connection Terminal (Input))*

6 *DVI / PC / HDMI IN [HDMI]*

Connect the HDMI terminal at the back of your LCD Display to the HDMI terminal of your digital output device using a HDMI cable.

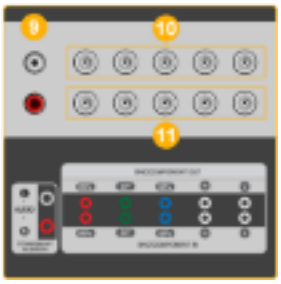
7 *DVI / PC / HDMI IN [RGB](PC Video Connection Terminal)*

Using a D-Sub Cable (15 pin D-Sub) - PC mode (Analog PC)

8 *DVI / PC / HDMI IN [DVI(HDCP)] (PC Video Connection Terminal)*

Using a DVI Cable (DVI-D to DVI-D) - DVI mode (Digital PC)

C



9 *COMPONENT AUDIO IN [L-AUDIO-R] (Component Audio Connection Terminal (Input))*

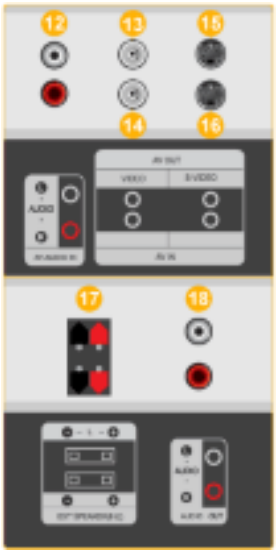
10 *BNC/COMPONENT OUT [R/PR, G/Y, B/PB, H, V] (BNC/Component Connection Terminal (Output))*

BNC (Analog PC) Connection: connecting the R, G, B, H, V ports

Component Connection: connecting the PR, Y, PB ports

11 *BNC/COMPONENT IN [R/PR, G/Y, B/PB, H, V](BNC/Component Connection Terminal (Input))*

D



12 *AV AUDIO IN [L-AUDIO-R] (LCD Display Audio Connection Terminal (Input))*

13 *AV OUT [VIDEO](VIDEO Connection Terminal)*

AV mode (Output)

14 *AV IN [VIDEO](VIDEO Connection Terminal) (Input)*

15 *AV OUT [S-VIDEO] (S-VIDEO Connection Terminal)*

S-VIDEO mode (Output)

16 *AV IN [S-VIDEO](S-VIDEO Connection Terminal) (Input)*

17 *EXT SPEAKER(8 Ω)[- - L - +, - - R - +] (EXT Speaker Connection Terminal)*

18 *AUDIO OUT [L-AUDIO-R] (LCD Display Audio Connection Terminal (Output))AUDIO OUT is the terminal for sound output of PC, DVI or BNC.*

E

19 *LAN (LAN Connection Terminal)*

20 *USB(USB Connection Terminal)*

Keyboard / Mouse, Mass Storage Device Compatible.

Note

The number of LCD Displays that can be connected to loopout may differ depending on the cables, signal source etc. With cables where there is no degradation or signal source, up to ten LCD Displays can be connected.

Note

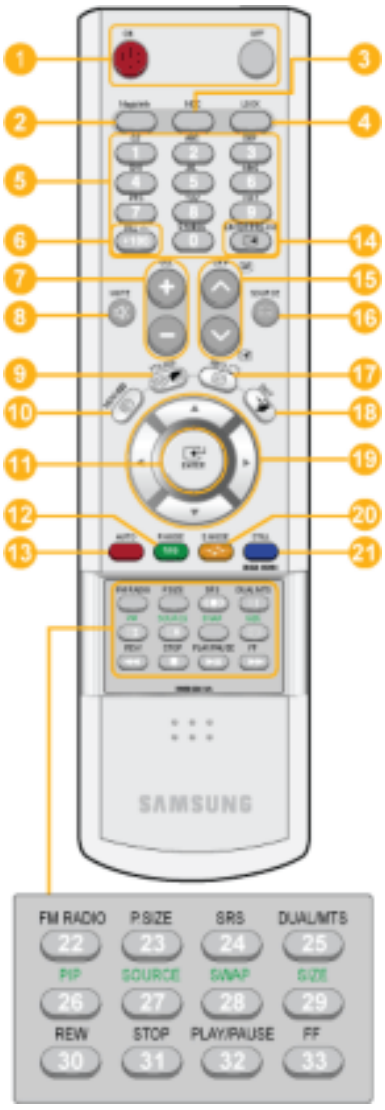
See Connecting Cables for further information regarding cable connections.

-- 460DXn --

Remote Control

Note

The performance of the remote control may be affected by a TV or other electronic device operating near the LCD Display , causing a malfunction due to interference with the frequency.



1. ON / OFF
2. MagicInfo
3. MDC
4. LOCK
5. MagicInfo buttons
6. +100 DEL -/--
7. VOL
8. MUTE
9. TTX/MIX
10. MENU
11. ENTER
12. M/B P.MODE
13. AUTO
14. ENTER/PRE-CH
15. CH/P
16. SOURCE
17. INFO
18. EXIT
19. Up-Down Left-Right buttons
20. S.MODE
21. STILL
22. FM RADIO
23. P.SIZE
24. SRS
25. DUAL/MTS
26. *PIP*
27. *SOURCE*
28. *SWAP*
29. *SIZE*
30. REW
31. STOP
32. PLAY/PAUSE
33. FF

1. ON / OFF	Turns the LCD Display On/Off.
2. MagicInfo	MagicInfo Quick Launch Button.

3. MDC	MDC Quick Launch Button.
4. LOCK	Activates or deactivates all function keys on both the remote control and the LCD Display except for the Power and LOCK buttons.
5. MagicInfo buttons	MagicInfo Quick Launch Button. • Alphanumeric: Used to enter the Internet address. • DEL: Functions as the backspace. • SYMBOL: Used to enter the symbols. (.O_-) • ENTER: Used to enter values.
6. +100 DEL -/--	Press to select channels over 100. For example, to select channel 121, press "+100", then press "2" and "1". - This fuction does not work for this LCD Display.
7. VOL	Adjusts the audio volume.
8. MUTE	Pauses (mutes) the audio output temporarily. This is displayed on the lower left corner of the screen. The audio resumes if MUTE or - VOL + is pressed in the Mute mode.
9. TTX/MIX	TV channels provide text information services via teletext. - This fuction does not work for this LCD Display.
10. MENU	Opens the on-screen menu and exits from the menu screen or closes the screen adjustment menu.
11. ENTER	Activates a highlighted menu item.
12. M/B P.MODE	When you press this button, current picture mode is displayed on the lower center of the screen. ***AV / S-Video / Component** : P.MODE* The LCD Display has four automatic picture settings that are preset at the factory. Then push button again to circle through available preconfigured modes. (**Dynamic → Standard → Movie → Custom**) ***PC / DVI / BNC** : M/B **(MagicBright)*** **MagicBright** is a new feature providing the optimum viewing environment depending on the contents of the image you are watching. Then push button again to circle through available preconfigured modes. (**Entertain → Internet → Text → Custom**)
13. AUTO	Adjusts the screen display automatically in **PC** mode. By changing the resolution in the control panel, auto function is performed.
14. ENTER/PRE-CH	Returns to the immediately previous channel. - This fuction does not work for this LCD Display.
15. ∨CH/P∧	In **TV** mode, selects TV channels.

- This fuction does not work for this LCD Display.

16. SOURCE — Changes the video source.

17. INFO — The current picture information is displayed in the top left corner of the screen.

18. EXIT — Exits from the menu screen.

19. Up-Down Left-Right buttons — Moves from one menu item to another horizontally, vertically or adjusts selected menu values.

20. S.MODE — When pressing this button, the current mode is displayed at the bottom centre of the screen. The LCD Display has a built-in high fidelity stereo amplifier. Then press the button again to circle through available preconfigured modes. (**Standard → Music → Movie → Speech → Custom**)

21. STILL — Press the button once to freeze the screen. Press it again to unfreeze.

22. FM RADIO — Turns the FM Radio on/off. In **PC/DVI** mode, sets the SOUND to FM Radio. In general Video mode, selects FM Radio, and turns off the screen. In areas where the signal is weak, noise may occur during FM radio broadcasts.

- This fuction does not work for this LCD Display.

23. P.SIZE — Press to change the screen size.

24. SRS — SRS

25. DUAL/MTS — *DUAL-*

STEREO/MONO, DUAL l / DUAL ll and MONO/NICAM MONO/NICAM STEREO can be operated depending on the broadcasting type by using the DUAL button on the remote control while watching TV.

MTS-

You can select MTS (Multichannel Television Stereo) mode.

	Audio Type	MTS/S_Mode	Default
FM Stereo	Mono	Mono	Manual Change
	Stereo	Mono ↔ Stereo	
	SAP	Mono ↔ SAP	Mono

- This fuction does not work for this LCD Display.

26. *PIP* — Every time you press the button, a PIP screen appears.

27. *SOURCE* — Changes the source of the PIP window signal.

28. *SWAP* — Swaps the contents of the PIP and main image. The image in the PIP window will appear on the main screen, and the main screen image will appear in the PIP window.

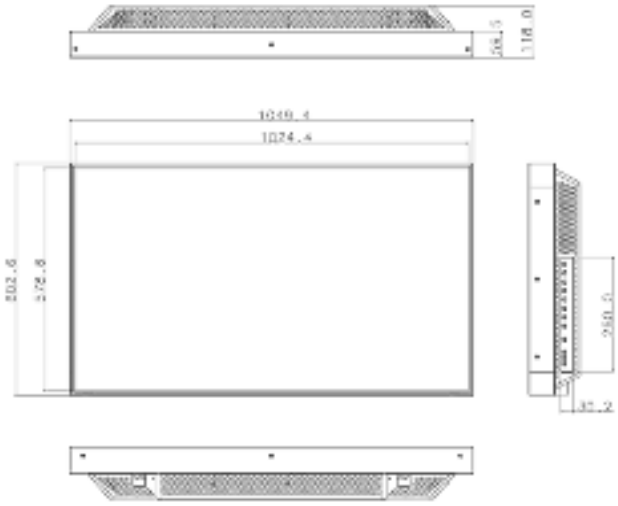
29. *SIZE*	Switches the PIP Picture Size.
30. ◀◀ REW	Rewind
31. ■ STOP	Stop
32. ▶II PLAY / PAUSE	Play/Pause
33. ▶▶ FF	Fast forward

-- 460DXn --

Mechanical Layout

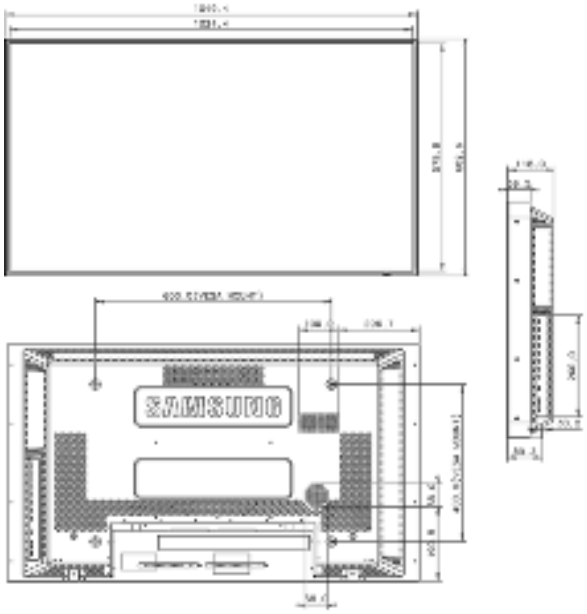
Mechanical Layout

NETWORK MODEL SIZE



LCD Display Head

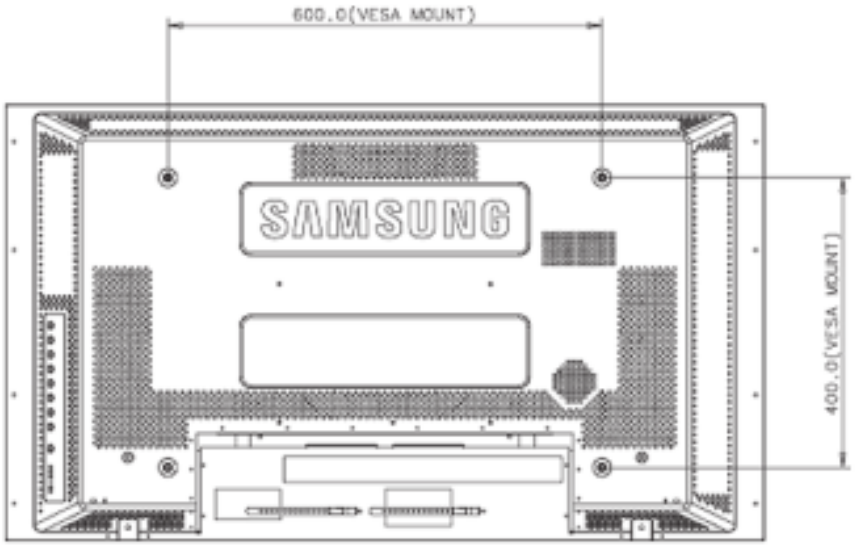
NETWORK MODEL SIZE



Installation VESA Bracket

- When installing VESA, make sure to comply with the international VESA standards.
- Purchasing VESA Bracket and Installation Information : Please contact your nearest SAMSUNG Distributor to place an order. After your order is placed, installation professionals will visit you and install the bracket.
- At least 2 persons are needed in order to move the LCD Display.
- SAMSUNG is not responsible for any product damage or any injury caused by installation at customer's discretion.

Dimensions



Notice

For securing the bracket on a wall, use only machine screws of 6 mm diameter and 8 to 12 mm length.

Wall Bracket Installation

- Contact a technician for installing the wall bracket.
- SAMSUNG Electronics is not responsible for any damages to the product or harm to customers when the installation is done by the customer.
- This product is for installing on cement walls. The product may not stay in place when installed on plaster or wood.

Components

Only use the components and accessories shipped with the product.

Wall Bracket(1)	Hinge(Left 1, Right 1)	Plastic Hanger (4)	Screw (A)(11)	Screw(B) (4)	Anchor (11)	

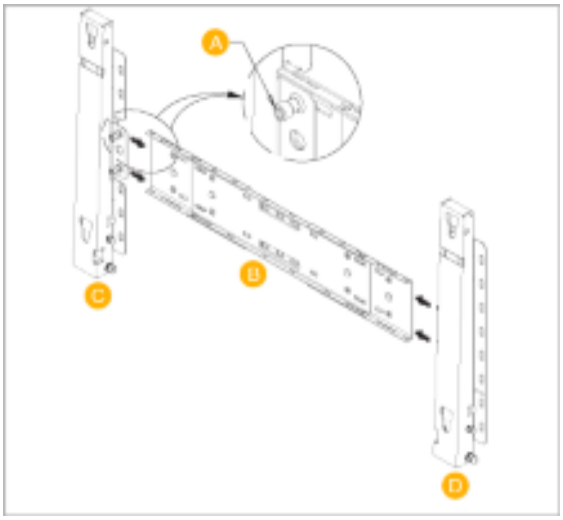
Wall Bracket Assembly

Note

There are two hinges(left and right). Use the correct one.

1. Insert and tighten the Captive Screw in the direction of the arrow.

   When done, mount the wall bracket on the wall.

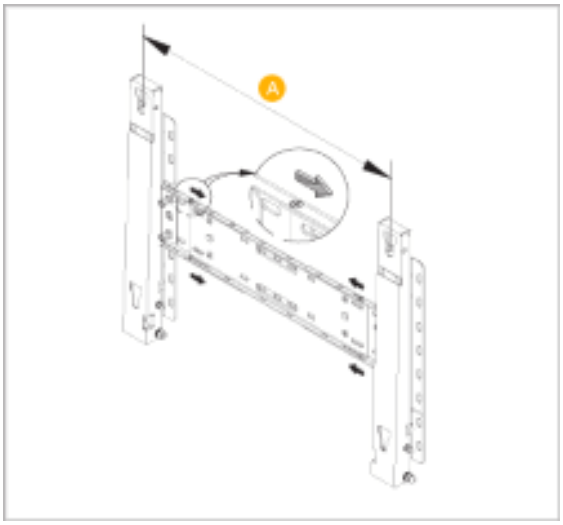


   There are two hinges(left and right). Use the correct one.

   A - Captive Screw
   B - Wall Bracket
   C - Hinge (Left)
   D - Hinge (Right)

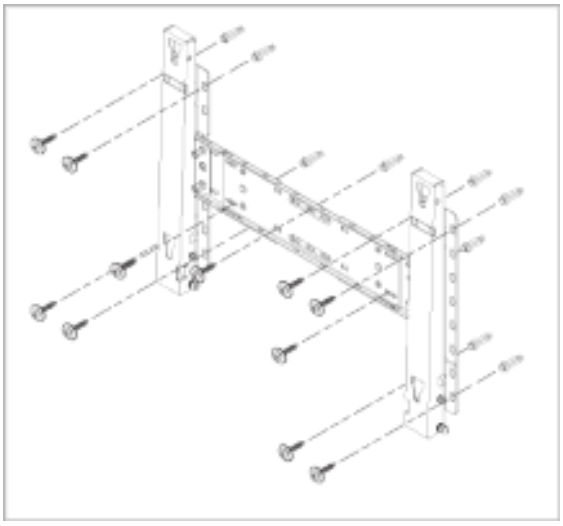
2. Before drilling into the wall, check if the length between the two locking holes at the back of the product is correct.

   If the length is too short or long, loosen all or some of the 4screws on the wall bracket to adjust the length.



A - Length between the two locking holes

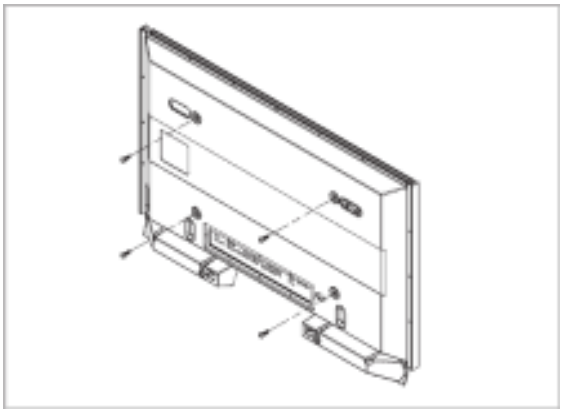
3. Check the installation diagram and mark the drill points on the wall. Use the 5.0 mm bit to drill holes deeper than 35 mm. Fix each anchor in the corresponding hole. Match each of the brackets and hinge holes to the corresponding anchor holes and insert and tighten the 11 screws A.



To mount the product on the wall bracket

The shape of the product may vary depending on the model. (The assemblies of the plastic hanger and the screw are the same)

1. Remove the 4 screws on the back of the product.

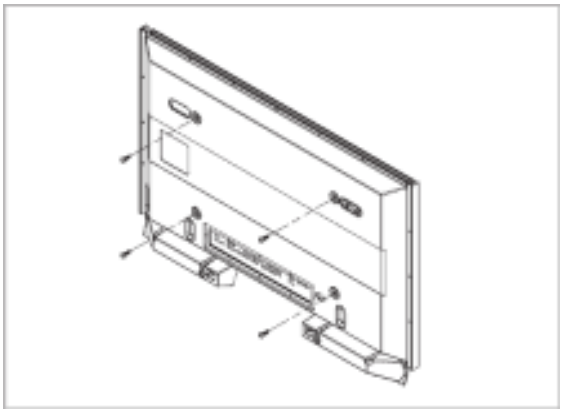


2. Insert the screw B into the plastic hanger.

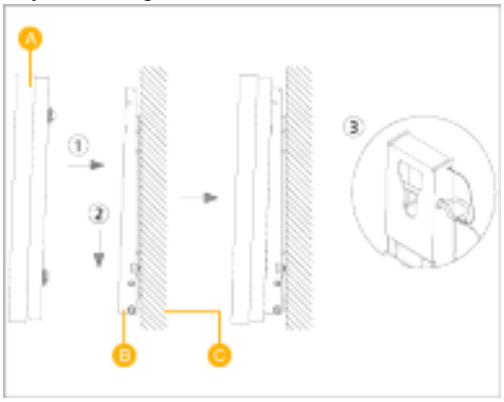
Notice

- Mount the product on the wall bracket and make sure it is properly fixed to the left and right plastic hangers.
- Be careful when installing the product on the bracket as fingers can be caught in the holes.
- Make sure the wall bracket is securely fixed to the wall, or the product may not stay in place after installation.

3. Tighten the 4 screws in step 2 (plastic hanger + screw B)to the rear holes of the product.



4. Remove safety pin (3) and insert the 4 product holders into the corresponding bracket holes (1). Then place the product(2) so that it is firmly fixed to the bracket. Make sure to re-insert and tighten the safety pin (3) to securely hold the product to the bracket.



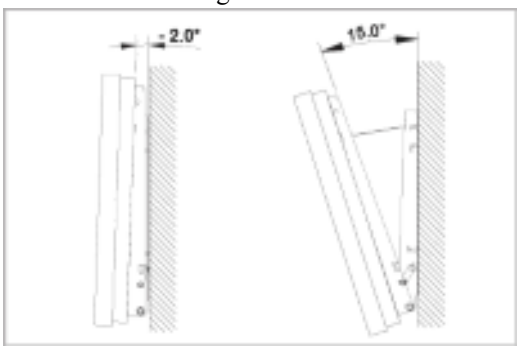
A - LCD Display

B - Wall Bracket

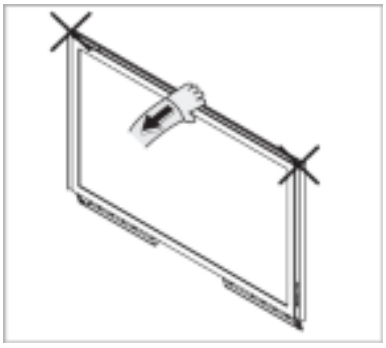
C - Wall

Wall Bracket Angle Adjustment

Adjust the bracket angle to -2° before installing it on the wall.



1. Fix the product to the wall bracket.
2. Hold the product at the top in the center and pull it forward (direction of the arrow) to adjust the angle.
3. You can adjust the bracket angle between -2° and 15°.



Make sure to use the top center, and not the leftor the right side of the product to adjust the angle.

Connections

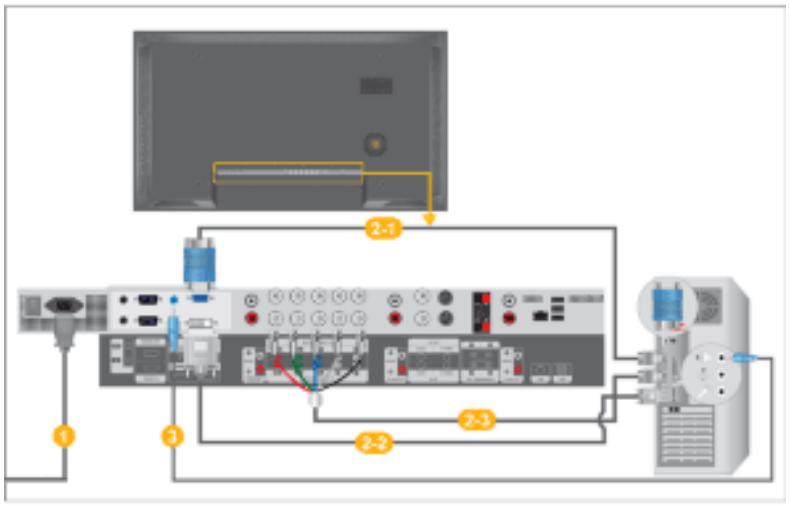
Connecting a Computer

Using a Power cord with Earth

- In the event of failure, the earth lead may cause electric shock. Make sure to wire the earth lead in correctly, before connecting the AC power. When unwiring the earth lead, make sure to disconnect the AC power in advance.

Note

AV input devices such as DVD players, VCR's or camcorders as well as your computer can be connected to the LCD Display. For detailed information on connecting AV input devices, refer to the User Controls under Adjusting Your LCD Display.



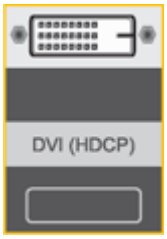
1. Connect the power cord for your LCD Display to the power port on the back of the LCD Display. Trun on the power switch.
2. There are 3 ways to connect the D-sub to your LCD Display. Choose one of the following:

   2-1 Using the D-sub (Analog) connector on the video card.

   - Connect the D-sub to the 15-pin, RGB port on the back of your LCD Display and the 15 pin D-sub Port on the computer.

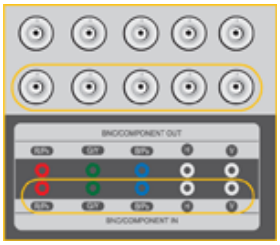
   2-2 Using the DVI (Digital) connector on the video card.

   - Connect the DVI Cable to the DVI(HDCP) port on the back of your LCD Display and the DVI port on the computer.



2-3 Using the BNC (Analog) connector on the video card.

- Connect the BNC Cable to the BNC/COMPONENT IN - R, G, B, H, V ports on the back of your LCD Display and the 15 pin D-sub Port on the computer.



3 Connect the audio cable for your LCD Display to the audio port on the back of your computer.

Note

- Turn on both your computer and the LCD Display.
- The DVI cable or BNC cable is optional.
- Contact a local SAMSUNG Electronics Service Center to buy optional items.

Connecting to Other devices

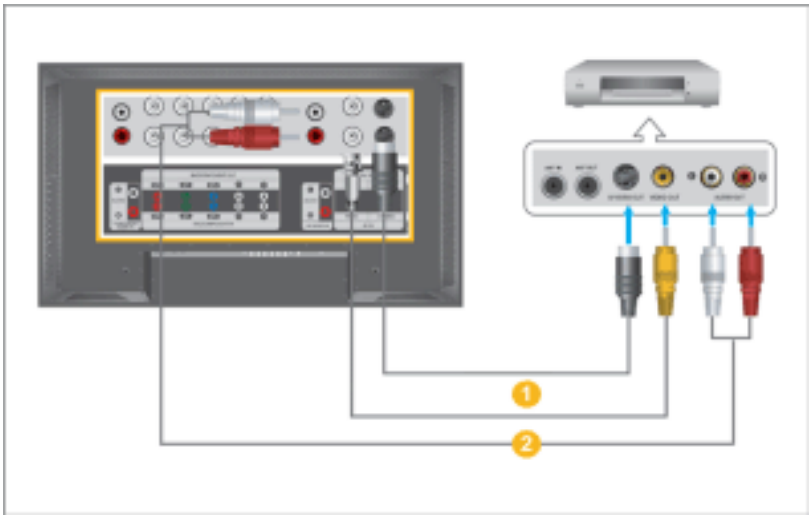
Using a Power cord with Earth

- In the event of failure, the earth lead may cause electric shock. Make sure to wire the earth lead in correctly, before connecting the AC power. When unwiring the earth lead, make sure to disconnect the AC power in advance.

Note

AV input devices such as DVD players, VCR's or camcorders as well as your computer can be connected to the LCD Display. For detailed information on connecting AV input devices, refer to the User Controls under Adjusting Your LCD Display.

Connecting a VCR

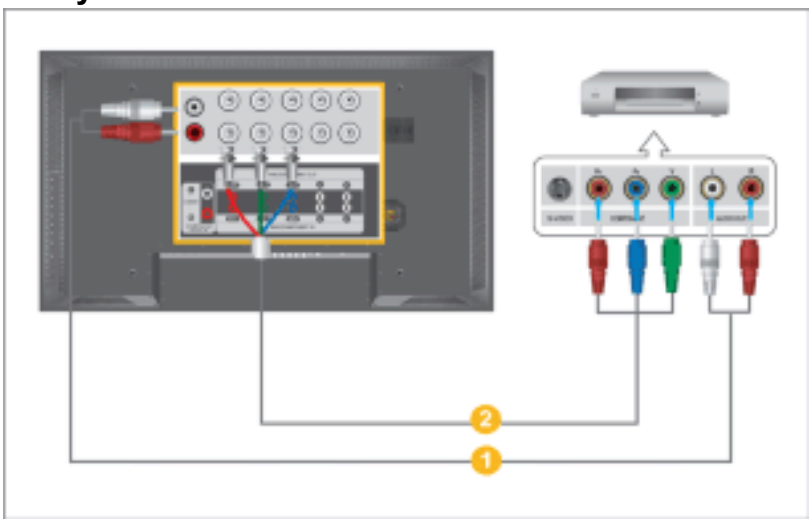


1. AV input devices such as VCRs or Camcorders are connected via the AV IN [VIDEO] or AV IN [S-VIDEO] of the LCD Display using an S-VHS or BNC cable.
2. Connect the Audio (L) and Audio (R) terminals of a VCR or Camcorders to the LCD Display 's AV AUDIO IN [L-AUDIO-R] using audio cables.

Note

- Select **AV** or **S-Video** for a connected VCR or Camcorder using the SOURCE button on the front of the LCD Display or on the remote control.
- Then, start the VCR or Camcorders with a tape inserted.
- The S-VHS or BNC cable is optional.

Connecting a DVD Player

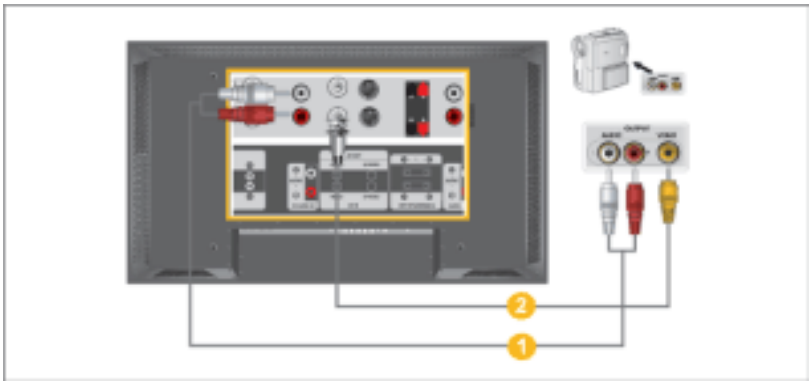


1. Connect a set of audio cables between the COMPONENT AUDIO IN [L-AUDIO-R] on the LCD Display and the AUDIO OUT jacks on the DVD player.
2. Connect a Component cable between the BNC/COMPONENT IN - PR, Y, PB port on the LCD Display and the PR, Y, PB jacks on the DVD player.

Note

- Select **Component** for the connection to a DVD player using the SOURCE button on the front of the LCD Display or on the remote control.
- Then, start the DVD Player with a DVD disc inserted.
- A component cable is optional.
- For an explanation of Component video, consult your DVD manual.

Connecting a Camcorder



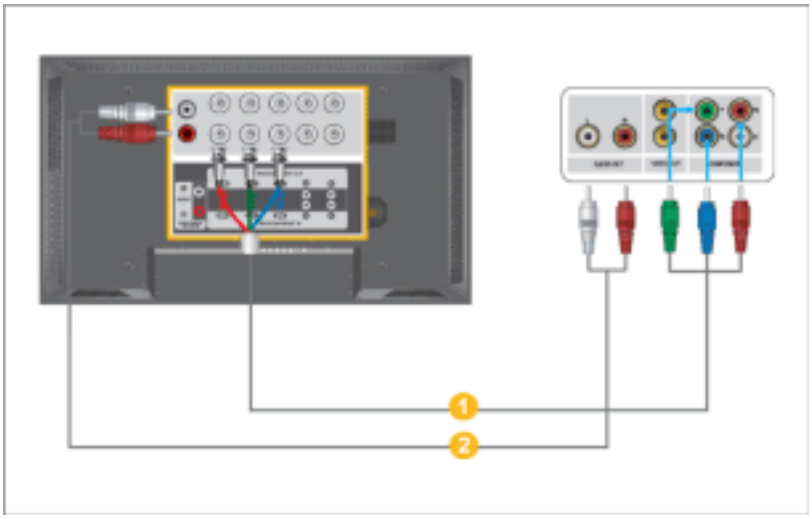
1. Locate the A/V output jacks on the camcorder. They are usually found on the side or back of the camcorder. Connect a set of audio cables between the AUDIO OUTPUT jacks on the camcorder and the AV AUDIO IN [L-AUDIO-R] on the LCD Display.
2. Connect a video cable between the VIDEO OUTPUT jack on the camcorder and the AV IN [VIDEO] on the LCD Display.

Note

- Select **AV** for the Camcorder connection using the SOURCE button on the front of the LCD Display or on the remote control.
- Then, start the Camcorders with a tape inserted.
- The audio-video cables shown here are usually included with a Camcorder.

  (If not, check your local electronics store.)
- If your camcorder is stereo, you need to connect a set of two cables.

Connecting a DTV Set Top Box

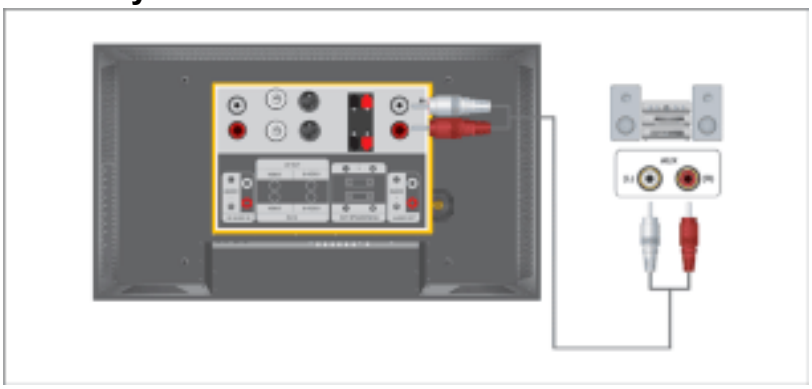


1. Connect a Component cable between the BNC / COMPONENT IN - PR, Y, PB port on the LCD Display and the PR, Y, PB jacks on the Set Top Box.
2. Connect a set of audio cables between the COMPONENT AUDIO IN [L-AUDIO-R] on the LCD Display and the AUDIO OUT jacks on the Set Top Box.

Note

- Select Component for the connection to a DTV Set Top Box using the SOURCE button on the front of the LCD Display or on the remote control.
- For an explanation of Component video, see your Set Top Box owner's manual.

Connecting to an Audio System



Note

Connect a set of audio cables between the AUX L, R jacks on the AUDIO SYSTEM and the AUDIO OUT [L-AUDIO-R] on LCD Display.

Connecting to a Wired Remote Control

Note

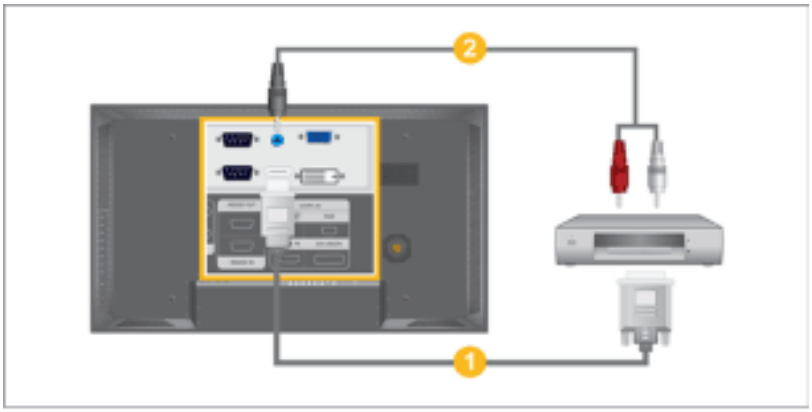
- You can control your LCD Display by allowing it to receive the remote control signals of other devices through the REMOTE OUT terminal.
- You can control a device by allowing it to receive remote control signals from other devices through the REMOTE IN terminal.
- Restrictions: Available only if other devices support the wired remote control I/O terminals.

Connecting Using a HDMI Cable

Note

- Input devices such as digital DVD are connected to the HDMI IN terminal of the LCD Display using the HDMI cable.
- You cannot connect a PC to the HDMI IN terminal.

Connecting Using a DVI to HDMI Cable



Note

- Connect the DVI output terminal of a digital output device to the HDMI IN terminal of the LCD Display using a DVI to HDMI cable.
- Connect the red and white jacks of an RCA to stereo (for PC) cable to the same colored audio output terminals of the digital output device, and connect the opposite jack to the HDMI / PC / DVI-D AUDIO IN terminal of the LCD Display.

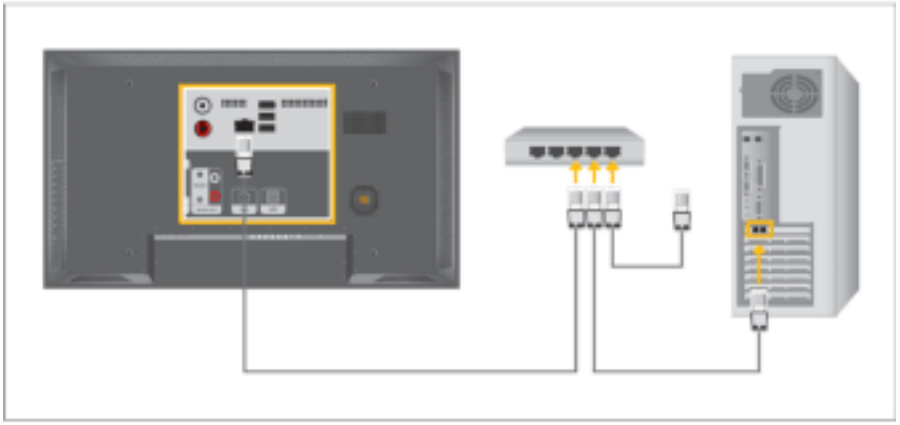
Connecting a LAN Cable

Using a Power cord with Earth

- In the event of failure, the earth lead may cause electric shock. Make sure to wire the earth lead in correctly, before connecting the AC power. When unwiring the earth lead, make sure to disconnect the AC power in advance.

Note

AV input devices such as DVD players, VCR's or camcorders as well as your computer can be connected to the LCD Display. For detailed information on connecting AV input devices, refer to the User Controls under Adjusting Your LCD Display.



Note

Connect the LAN cable.

Connecting a USB device

Using a Power cord with Earth

- In the event of failure, the earth lead may cause electric shock. Make sure to wire the earth lead in correctly, before connecting the AC power. When unwiring the earth lead, make sure to disconnect the AC power in advance.

Note

AV input devices such as DVD players, VCR's or camcorders as well as your computer can be connected to the LCD Display. For detailed information on connecting AV input devices, refer to the User Controls under Adjusting Your LCD Display.

Note

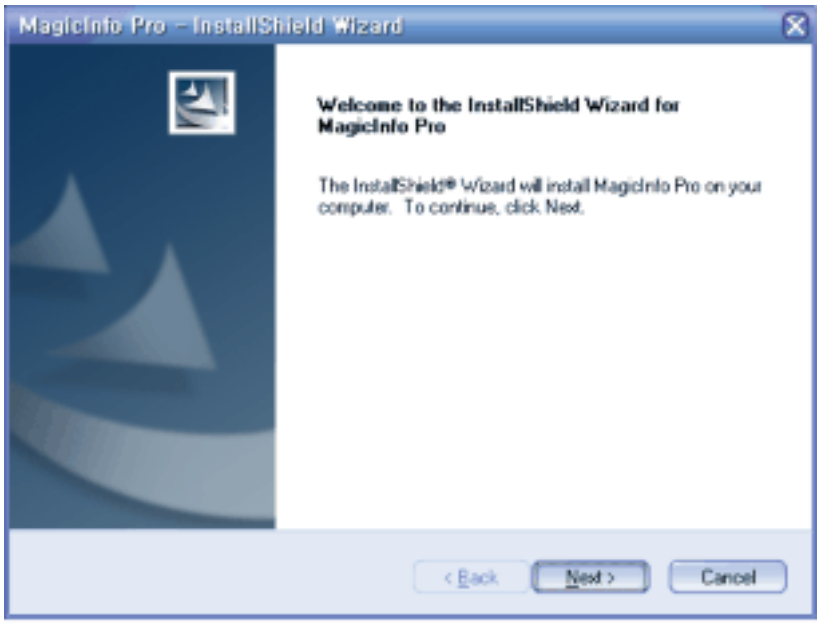
You can connect USB devices such as a mouse or keyboard.

Using the Software

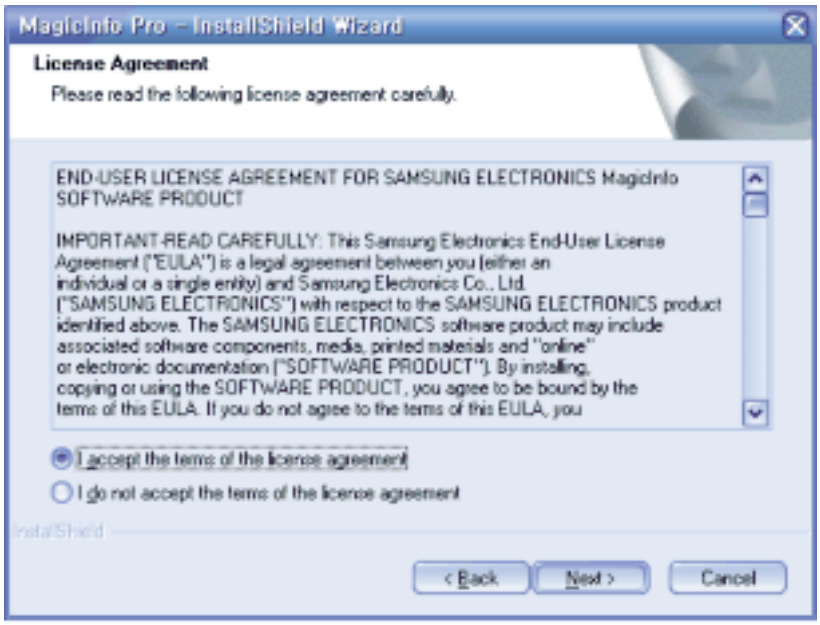
Installation MagicInfo Pro

Installation

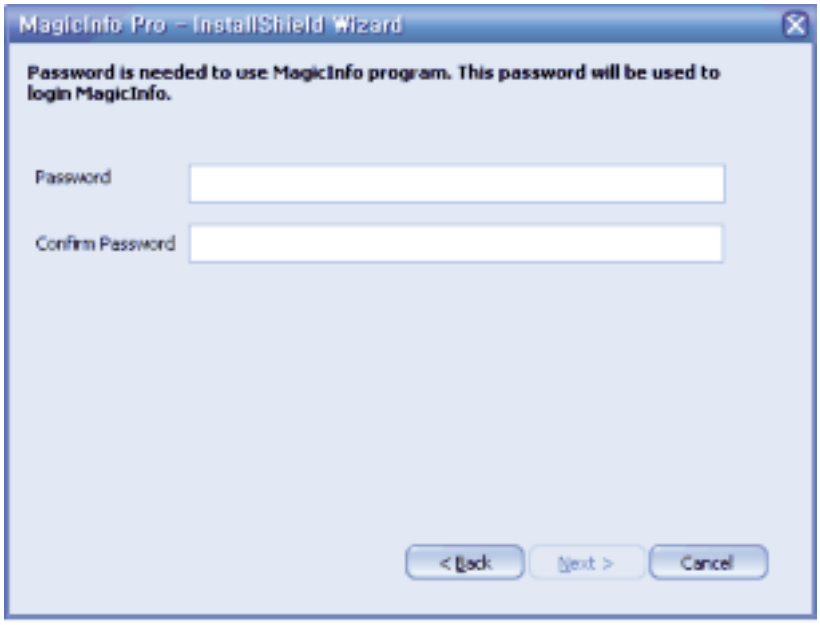
1. Insert CD into the CD-ROM drive.
2. Click the MagicInfo Pro installation file.
3. When the Install Shield Wizard window appears, click "Next."



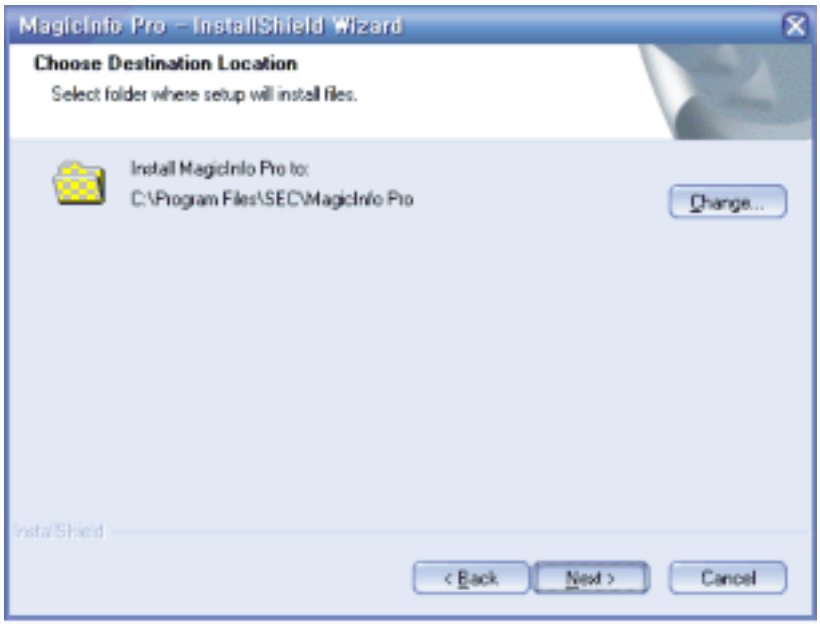
4. Select "I agree to the terms of the license agreement" to accept the terms of use.



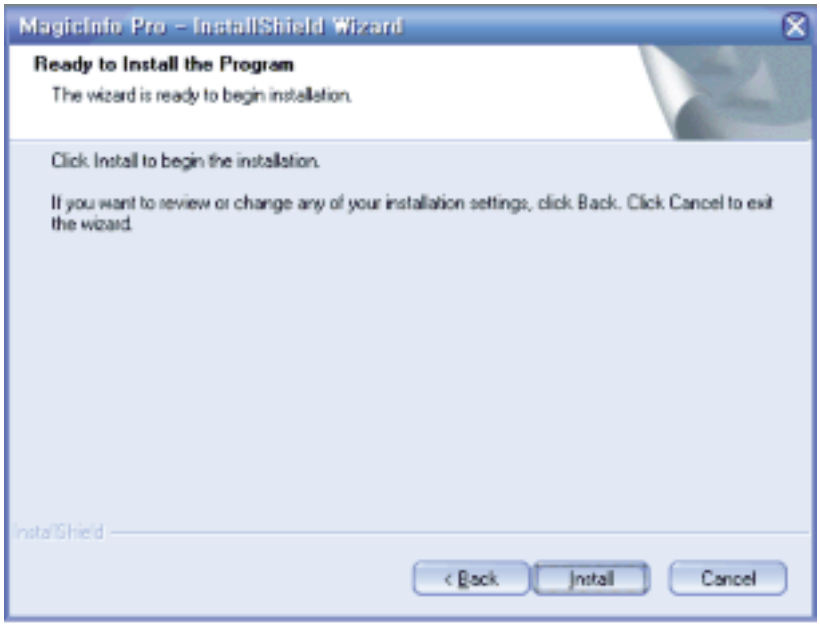
5. You are required to log in to the MagicInfo Pro Server program. Please enter the password to login. The password cannot be changed when you are logged in.



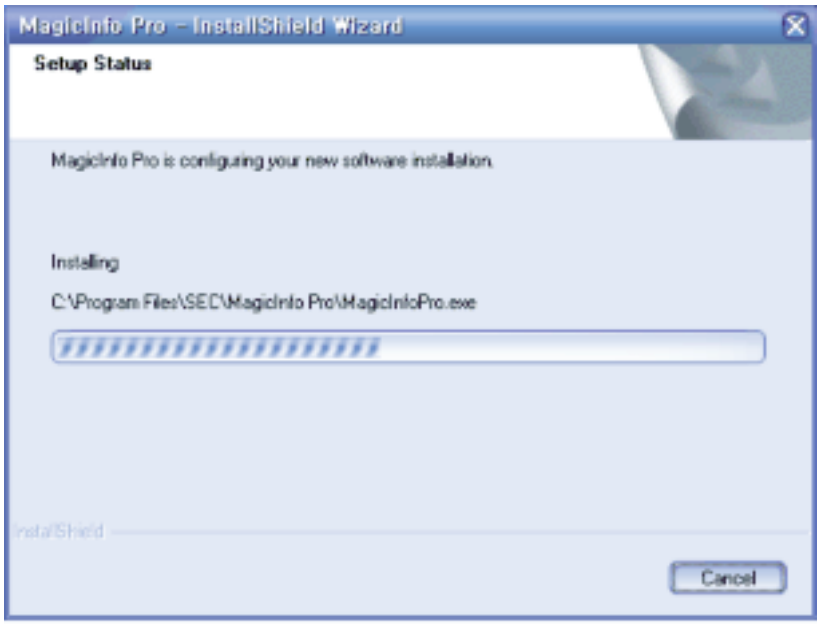
6. Choose a folder to install the MagicInfo Pro program.



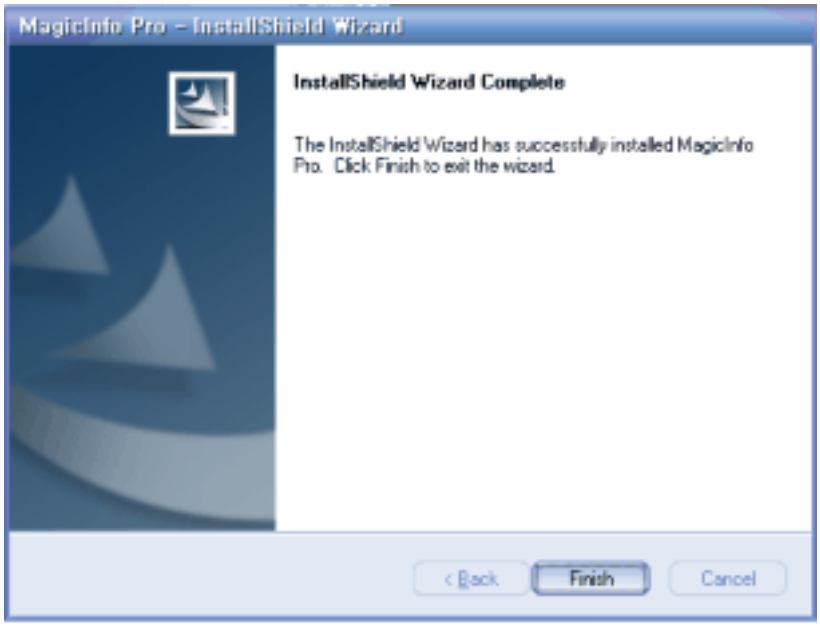
7. Click "Install."



8. The "Installation Status" window appears.



9. It is recommended restarting the system for the normal operation of the MagicInfo Pro Server program. Click "Next."



10. When the installation is complete, the MagicInfo Pro executable icon appears on your desktop.

11. Double-click the icon to start the program.

System Requirements

	CPU	RAM	Ethernet	OS	Application
Minimum	P1.8	256M	100M/1G	Windows XP Windows 2000 (Service Pack 4)	WMP 9 or later
Recommended	P3.0Ghz	512M			

Troubleshooting

Self-Test Feature Check

Note

Check the following items yourself before calling for assistance. Contact a Service Center for problems that you cannot solve by yourself.

Self-Test Feature Check

1. Turn off both your computer and the LCD Display.
2. Unplug the video cable from the back of the computer.
3. Turn on the LCD Display.

   The figure shown below ("**Check Signal Cable**") appears on a black background when the LCD Display is working normally even though no video signal is detected: While in the Self-Test mode, the LED power indicator remains green and the figure moves around on the screen.

4. Turn off your LCD Display and reconnect the video cable; then turn on both your computer and the LCD Display

If your LCD Display screen remains blank after using the previous procedure, check your video controller and computer system; your LCD Display is functioning properly.

Warning Messages

You can even view the screen at a resolution of 1360 x 768. However, you will receive the following message for a minute; You can choose to change the screen resolution or stay in the current mode during that time. And if the resolution is more than 85Hz, you will see the black screen because the LCD Display does not support over 85Hz.

Note

Refer to Specifications > Preset Timing Modes for the resolutions or frequencies supported by the LCD Display.

Maintenance and Cleaning

1) Maintaining the LCD Display Case.

Clean with a soft cloth after disconnecting the power cord.

- Do not use benzene, thinner or other flammable substances, or a wet cloth.
- We recommend that a SAMSUNG cleansing agent is used to prevent damage to the screen.

2) Maintaining the Flat Panel Display Screen.

Clean with a soft cloth (cotton flannel) smoothly.

- Never use acetone, benzene or thinner.

  (They may cause flaws or deformation of the screen surface.)
- The user will be required to pay costs and related expenses for repairing damages caused.

Symptoms and Recommended Actions

Note

A LCD Display recreates visual signals received from the computer. Therefore, if there is a problem with the computer or the video card, this can cause the LCD Display to become blank, have poor coloring, become noisy, and video mode not supported, etc. In this case, first check the source of the problem, and then contact a Service Center or your dealer.

1. Check if the power cord and the video cables are properly connected to the computer.
2. Check if the computer beeps more than 3 times when booting.

   (If it does, request an a service for the main board of the computer.)
3. If you installed a new video card or if you assembled the PC, check if you installed the Adaptor (video).
4. Check if the scanning ratio of the video screen is set to between 50 Hz ~ 85 Hz.

   (Do not exceed 60Hz when using the maximum resolution.)
5. If you have problems in installing the Adaptor (video) driver, boot the computer in Safe Mode, remove the Display Adaptor in the "Control Panel → System → Device Administrator" and then reboot the computer to reinstall the Adaptor (video) driver.

Check List

Note

- The following table lists possible problems and their solutions. Before calling for assistance, check the information in this section to see if you can remedy any problems for yourself. If you do need assistance, please call the phone number on the Information section or contact your dealer.
- For more network-related information, refer to the MagicInfo Troubleshooting section.

Problems related to the Installation (PC Mode)

Note

Problems related to the LCD Display installation and their solutions are listed.

Q: The LCD Display screen flickers.

A: Check if the signal cable between the computer and the LCD Display is securely connected.

(Refer to Connecting a Computer)

Problems related to the Screen

Note

Problems related to the LCD Display screen and their solutions are listed.

Q: The screen is blank and the power indicator is off.

A: Ensure that the power cord is firmly connected and the LCD Display is on.

(Refer to the Connecting a Computer)

Q: "**Check Signal Cable**" message.

A: Ensure that the signal cable is firmly connected to the PC or video sources.

(Refer to the Connecting a Computer)

A: Ensure that the PC or video sources are turned on.

Q: "**Not Optimum Mode**" message.

A: Check the maximum resolution and the frequency of the video Adaptor.

A: Compare these values with the data in the Preset Timing Modes Chart.

Q: The picture rolls vertically.

A: Check if the signal cable is securely connected. Re-connect it, if necessary.

(Refer to Connecting a Computer)

Q: The image is not clear; picture is blurred.

A: Run Frequency **Coarse** and **Fine** tuning.

A: Turn on again after removing all accessories (video extension cable, etc.)

A: Set the resolution and frequency to the recommended ranges.

Q: The picture image is unstable and shakes.

A: Check if the resolution and frequency set for the computer video card falls in the range supported by the LCD Display. If not, reset them referring to the current Information under the LCD Display menu and Preset Timing Modes.

Q: Ghost images are shown in the picture.

A: Check if the resolution and frequency set for the computer video card falls in the range supported by the LCD Display. If not, reset them referring to the current Information under the LCD Display menu and Preset Timing Modes.

Q: The image is too light or too dark.

A: Adjusts the **brightness** and **contrast**.

(Refer to the **Brightness**, **Contrast**)

Q: The screen color is inconsistent.

A: Adjust color using **Custom** under OSD Color Adjustment menu.

Q: The color image is distorted by dark shadows.

A: Adjust color using **Custom** under OSD Color Adjustment menu.

Q: The color white is poor.

A: Adjust color using **Custom** under OSD Color Adjustment menu.

Q: The power Indicator blinks green.

A: The LCD Display is currently saving the changes made to the settings to the OSD memory.

Q: The screen is blank and the power indicator light is steady green or blinks every 0.5 or 1 seconds.

A: The LCD Display is using its power management system.

A: Press a key on the keyboard.

Q: The screen is blank and it is blinking.

A: If you see the "**TEST GOOD**" message on the screen when you pressing the MENU button, check the cable connection between the LCD Display and the computer to ensure that the connector is properly connected.

Problems related to Audio

Note

Problems related to audio signals and their solutions are listed below.

Q: No sound.

A: Ensure that the audio cable is firmly connected to both the audio-in port on your LCD Display and the audio-out port on your sound card.

(Refer to the Connecting a Computer)

A: Check the volume level.

Q: The sound level is too low.

A: Check the volume level.

A: If the volume is still too low after turning the control to its maximum, check the volume control on the computer sound card or software program.

Q: The sound is too high or too low.

A: Adjusts the **Treble** and **Bass** to the appropriate levels.

Problems related to the Remote Control

Note

Problems related to the remote control and their solutions are listed.

Q: The remote control buttons do not respond.

A: Check the polarities (+/-) of the batteries.

A: Check if the batteries are empty.

A: Check if the power is on.

A: Check if the power cord is securely connected.

A: Check if a special fluorescent or neon lamp is on in the vicinity.

Problems related to MagicInfo

Note

Making a Bootable USB Flash Disk.

Q: Making a Bootable USB Flash Disk

A: 1) You can turn a common 512-MB or bigger USB storage media into a bootable disk using a USB bootable disk creation tool. (For example, the HP USB Disk Storage Format Tool)

A: 2) Copies the OS ghost image and executables to your USB disk.

A: 3) Enter the BIOS menu of your set by pressing the F2 key in the BIOS logo screen. Then, enable the USB Boot First option by selecting that option and pressing the Enter key in the Boot menu.

A: 4) Switch your set on while your USB disk is connected and boot up in DOS mode.

A: 5) Run C:\ghost.exe and choose Local → Partition → From Image from the menu. Choose the ghost image to update your USB disk with and choose the target disk.

A: 6) When the ghost image update finishes, the set will be rebooted automatically.

Q & A

Q: How can I change the frequency?

A: The frequency can be changed by reconfiguring the video card.

Note

that video card support can vary, depending on the version of the driver used. (Refer to the computer or the video card manual for details.)

Q: How can I Adjusts the resolution?

A: Windows XP:

Set the resolution in the Control Panel → Appearance and Themes → Display → Settings.

A: Windows ME/2000:

Set the resolution in the Control Panel → Display → Settings.

* Contact the video card manufacturer for details.

Q: How can I set the Power Saving function?

A: Windows XP:

Set the resolution in the Control Panel → Appearance and Themes → Display → Screen Saver.

Set the function in the BIOS-SETUP of the computer. (Refer to the Windows / Computer Manual).

A: Windows ME/2000:

Set the resolution at the Control Panel → Display → Screen Saver.

Set the function in the BIOS-SETUP of the computer. (Refer to the Windows / Computer Manual).

Q: How can I clean the outer case/LCD Panel?

A: Disconnect the power cord and then clean the LCD Display with a soft cloth, using either a cleaning solution or plain water.

Do not leave any detergent or scratches on the case. Do not let any water enter the LCD Display.

Q: How can I play the video?

A: The video supports the MPEG1 and WMV codecs only. Install the corresponding codec to play the video. Note that some of the codecs can be incompatible.

Note

Before calling for assistance, check the information in this section to see if you can remedy any problems yourself. If you do need assistance, please call the phone number on the Information section or contact your dealer.