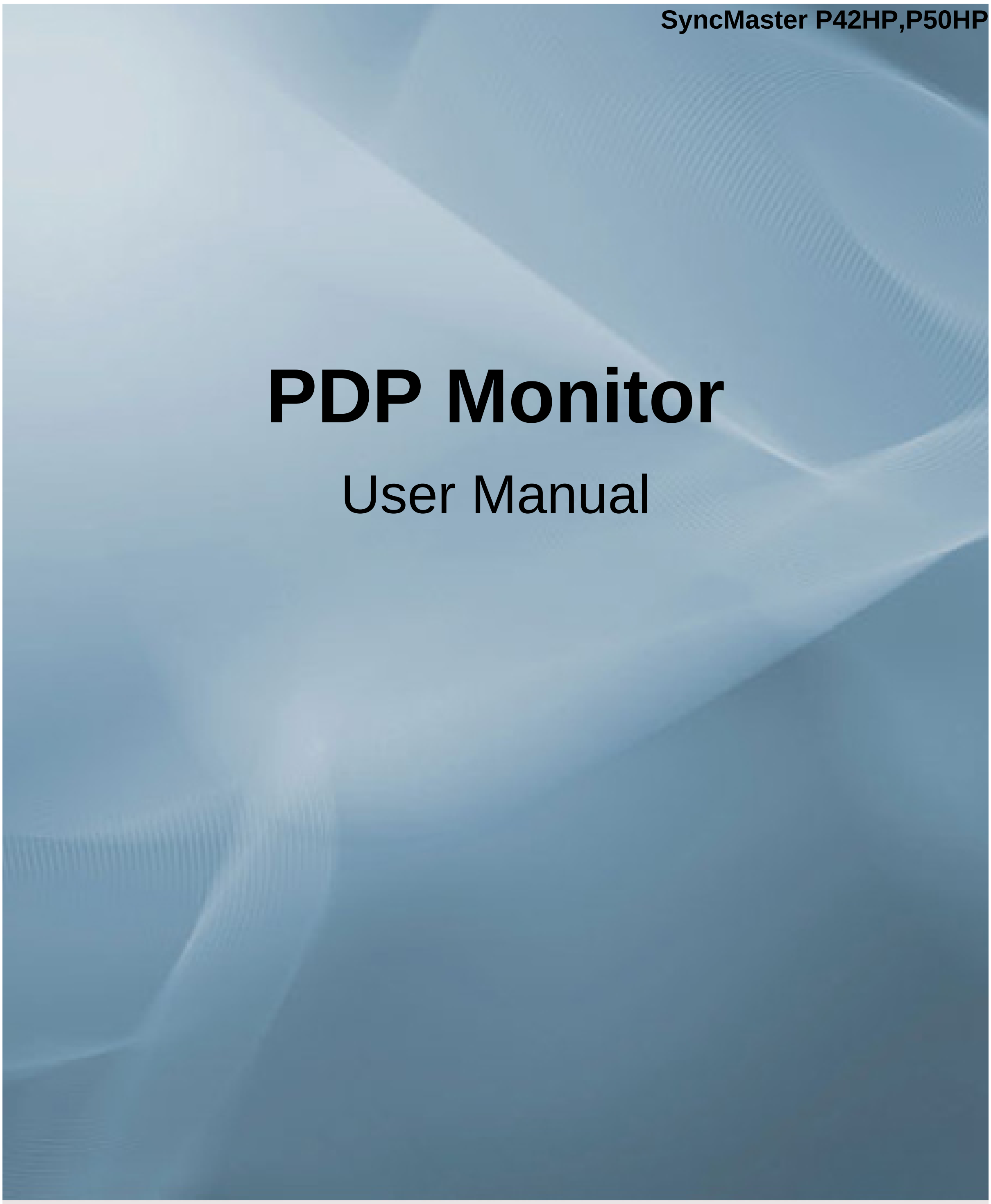


SyncMaster P42HP,P50HP

PDP Monitor

User Manual

Safety Instructions

Notational

Note

These safety instructions must be followed to ensure your safety and prevent property damage.

Make sure to read the instructions carefully and use the product in the correct manner.

Warning / Caution

Failure to follow directions noted by this symbol could result in bodily harm or damage to the equipment.

Notational Conventions

Prohibited	Important to read and understand at all times
Do not disassemble	Disconnect the plug from the outlet
Do not touch	Ground to prevent an electric shock

Power

When not used for extended period of time, set your computer to DPM.

If using screen saver, set it to active screen mode.

The images here are for reference only, and are not applicable in all cases (or countries).

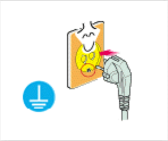
Shortcut to Anti-Afterimage Instructions

Do not use a damaged power cord or plug or a damaged or loose power outlet.

- Otherwise, this may result in electric shock or fire.

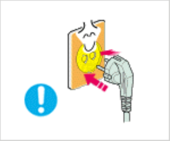
Do not touch the power plug with wet hands when removing or plugging the plug into the outlet.

- Otherwise, this may result in electric shock.



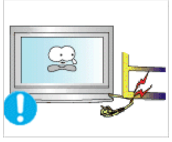
Make sure to connect the power cord to a grounded power outlet.

- Otherwise, it may result in electric shock or personal injury.



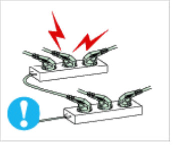
Ensure that the power plug is plugged into the power outlet firmly and correctly.

- Otherwise, this may result in fire.



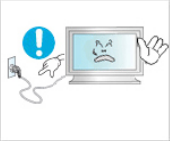
Do not forcefully bend or pull the power plug and do not place any heavy material on it.

- Otherwise, this may result in fire.



Do not connect multiple appliances to the same power outlet.

- Otherwise, this may cause fire due to overheating.



Do not disconnect the power cord while using the product.

- Otherwise, this may result in damage to the product due to electric shock.

To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

- This may cause electric shock or fire.

Use only the power cord provided by our company. Do not use the provided power cord of another product.

- Otherwise, this may result in fire or electric shock.

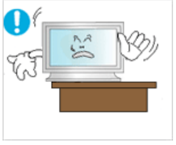
Installation

Be sure to contact an authorized Service Center when installing your monitor in a location with heavy dust, high or low temperatures, high humidity, and exposed to chemical substances and where it operates for 24 hours such as at airports, train stations etc.

Failure to do so may cause serious damage to your monitor.

Ensure that at least two persons lift and move the product.

- Otherwise, it may be dropped and cause personal injury, and/or damage the product.



When installing the product in a cabinet or rack, make sure that the front end of the bottom of the product does not project out.

- Otherwise, it may fall or cause personal injury.
- Use a cabinet or rack of a size appropriate to the product.

DO NOT PLACE CANDLES, MOSQUITO REPELLANT, CIGARETTES AND ANY HEATING APPLIANCES NEAR THE PRODUCT.

- Otherwise, this may result in fire.

Keep heating appliances as far away from the power cord or the product as possible.

- Otherwise, this may result in electric shock or fire.

Do not install it in a badly ventilated location such as a bookcase or closet.

- Otherwise, this may result in fire due to an increase in the internal temperature.

When putting the product down, make sure to put it down softly.

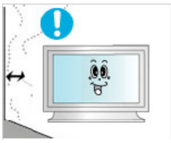
- Otherwise, this may result in damage to the screen display.

Do not place the front of the product on the floor.

- Otherwise, this may result in damage to the screen display.

Ensure that an authorized installation company installs the wall mount.

- Otherwise, it may fall and cause personal injury.
- Make sure to install the specified wall mount.



Install your product in a well ventilated location. Ensure that there is a clearance of more than 10 cm from the wall.

- Otherwise, it may result in fire due to an increase in the internal temperature.

Ensure that the packaging vinyl is kept away from children.

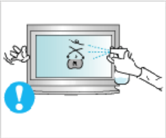
- Otherwise, it may result in serious harm (suffocation) if children play with it.

If the height of your monitor is adjustable, do not place any object or part of your body on the stand when lowering it.

- This may cause damage to the product or the person carrying it.

Clean

When cleaning the monitor case or the surface of the PDP screen, wipe with a slightly moistened, soft fabric.



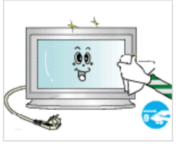
Do not spray cleaner directly onto the surface of the product.

- Otherwise, this may result in the discoloration and distortion of the structure and the screen surface may peel off.

Clean the product using a soft cloth with a monitor cleaner only. If you must use a cleaner other than the monitor cleaner, dilute it with water at a ratio of 1:10.

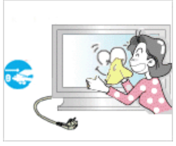
When cleaning the power plug pins or dusting the power outlet, clean it with a dry cloth.

- Otherwise, it may result in fire.



When cleaning the product, make sure to disconnect the power cord.

- Otherwise, it may result in electric shock or fire.



When cleaning the product, disconnect the power cord and clean it softly with a dry cloth.

- (Do not use chemicals such as wax, benzene, alcohol, thinner, mosquito repellant, lubricant, or cleaner.) These may change the appearance of the product surface and peel off the indication labels on the product.

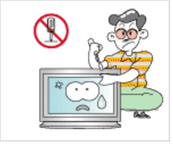
Since the product housing is easily scratched, make sure to use the specified cloth only.

- Use the specified cloth adding only a little water. As the product may be scratched if there is any foreign material on the cloth, make sure to shake it thoroughly before using it.

When cleaning the product, do not spray water directly onto the main body of the product.

- Ensure that water does not enter the product and that it is not wet.
- Otherwise, this may result in electric shock, fire or a malfunction.

Others

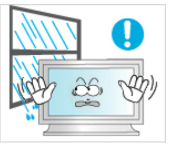


The product is a high voltage product. Ensure that users do not disassemble, repair or modify the product themselves.

- Otherwise, this may result in electric shock or fire. If the product needs to be repaired, contact a Service Center.

If there is a strange smell or a strange sound or smoke is coming from the product, disconnect the power plug immediately and contact a Service Center.

- Otherwise, this may result in electric shock or fire.



Do not place this product in a location exposed to moisture, dust, smoke, water, or in a car.

- Otherwise, this may result in electric shock or fire.

When you drop the product or the case is broken, turn the power off and disconnect the power cord. Contact a Service Center.

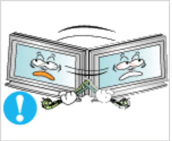
- Otherwise, this may result in electric shock or fire.

If thunder or lightening is occurring, do not touch the power cord or antenna cable.

- Otherwise, this may result in electric shock or fire.

Do not try to move the monitor by pulling only the wire or the signal cable.

- Otherwise, it may fall and result in electric shock, damage to the product or fire due to damage to the cable.



Do not lift or move the product back and forwards or right and left while only holding the power cord or signal cables.

- Otherwise, it may fall and result in electric shock, damage to the product or fire due to damage to the cable.

Make sure that the ventilating opening is not blocked by a table or curtain.

- Otherwise, it may result in fire due to an increase in the internal temperature.

Do not place any containers containing water, vases, flower-pots, medicines as well as any metal on the product.

- If water or a foreign material enters the product, disconnect the power cord and contact a Service Center.
- This may result in a product malfunction, electric shock, or fire.

Do not use or keep combustible spray or flammable material near the product.

- Otherwise, this may result in an explosion or fire.

Do not insert any metal, such as chopsticks, coins, pins and steel, or flammable objects, such as matches or paper, inside the product (through the ventilating openings, input and output terminals, etc).

- If water or foreign material enters the product, disconnect the power cord and contact a Service Center.
- Otherwise, this may result in electric shock or fire.

When using a fixed screen for a long time, an afterimage or stain may occur.

- If you are not using your product for a long period of time, put it into sleep mode or use a moving screen saver.

Set a resolution and frequency appropriate to the product.

- Otherwise, your eyesight may be damaged.

When using headphones or earphones, do not turn the volume too high.

- Having the sound too loud may damage your hearing.

If you continually move closer to the product screen, your eyesight may be failing.

Take a rest for at least five (5) minutes after using the monitor for one (1) hour.

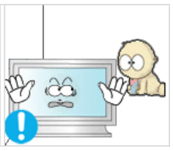
This reduces the weariness of your eyes.

Do not install it in an unstable location such as an unstable rack or uneven surface or a location exposed to vibrations.

- Otherwise, it may fall and cause personal injury and/or damage the product.
- If you use the product in a location exposed to vibrations, it may damage the product and result in fire.

When moving the product, turn the power off and disconnect the power plug, antenna cable, and all the cables connected to the product.

- Otherwise, it may result in electric shock or fire.

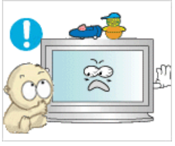


Ensure that children do not hang onto the product or climb up onto the product.

- The product may fall and cause personal injury or death.

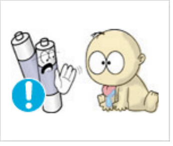
If you do not use the product for a long period of time, disconnect the power cord from the power outlet.

- Otherwise, this may result in overheating or fire due to dust, and may result in fire due to electric shock or leakage.



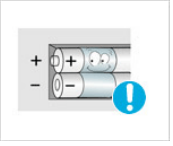
Do not place any heavy items or toys or confectionery, such as cookies etc. that may attract the attention of children and to the product.

- Your children may hang onto the product causing it to fall and this may result in personal injury or death.



Be careful that children do not place the battery in their mouths when removed from the remote control. Place the battery in a location that children or infants cannot reach.

- If children have had the battery in their mouths, consult your doctor immediately.

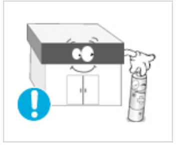


When replacing the battery, insert it with right polarity (+, -).

- Otherwise, the battery may become damaged or it may cause fire, personal injury or damage due to leakage of the internal liquid.

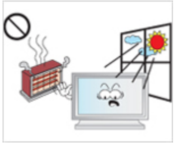
Use only the specified standardized batteries, and do not use a new battery and a used battery at the same time.

- Otherwise, the batteries may be damaged or cause fire, personal injury or damage due to a leakage of the internal liquid.



The batteries (and rechargeable batteries) are not ordinary refuse and must be returned for recycling purposes. The customer is responsible for returning the used or rechargeable batteries for recycling.

- The customer can return used or rechargeable batteries to a nearby public recycling center or to a store selling the same type of the battery or rechargeable battery.

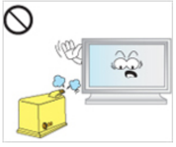


Do not place the product in a location exposed to direct sunlight or near any heat such as a fire or heater.

- This may reduce the lifetime of the product, and may result in fire.

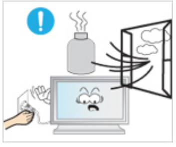
Do not drop any objects onto the product or cause any impact to the product.

- Otherwise, this may result in electric shock or fire.



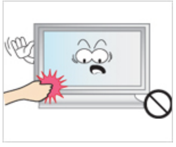
Do not use a humidifier or kitchen table near the product.

- Otherwise, this may result in electric shock or fire.



When there is a gas leak, do not touch the product or the power plug but ventilate immediately.

- If a spark occurs, it may cause an explosion or fire.



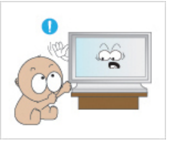
If the product has been turned on for a long time, the display panel becomes hot. Do not touch it.

- Keep the small accessories in a location out of the reach of children.

Be careful when adjusting the angle of the product or the height of the stand.

- This may result in personal injury as your hand or fingers may become caught.

- Also, if you tilt the product too far, it may fall and cause personal injury.



Do not install the product in a location low enough for children to reach.

- Otherwise, it may fall and result in personal injury.

- Since the front part of the product is heavy, install the product on a level and stable surface.

Do not put any heavy objects on the product.

- This may result in personal injury and/or damage to the product.

Introduction

Package Contents

Note

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

If any items are missing, contact your dealer.

Contact a local dealer to buy optional items.

Unpacking

PDP 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)

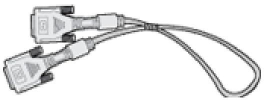
Ferrite Core for Power Cord

Others

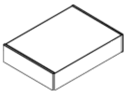
(Not available in all locations)

(3301-001305)

Sold separately

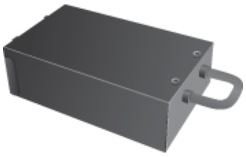


DVI Cable



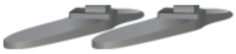
Wall Mount KIT

LAN Cable



TV tuner box

NetWork Box



Semi Stand KIT

BNC Cable

Note

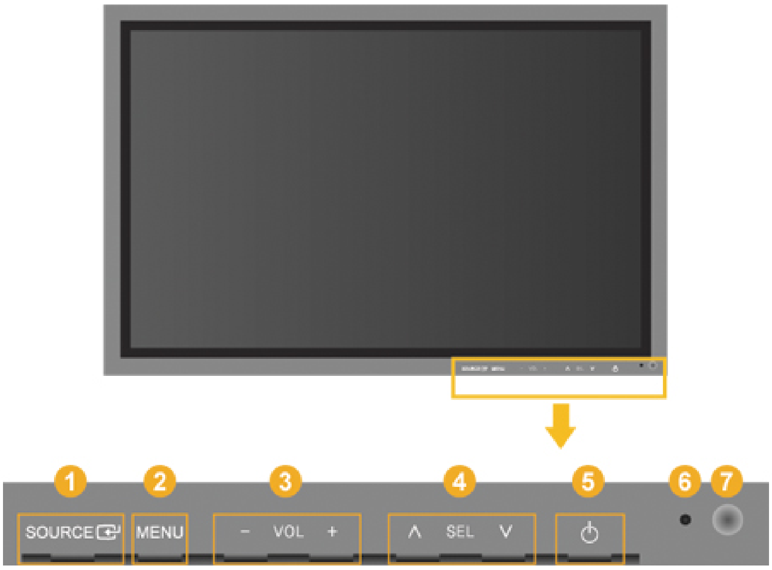
- You can purchase and connect a separate network box or TV tuner box. For information on how to use these, refer to their respective user manuals.
- You can only connect one external box.

Ferrite Core (Power Cord)

- The ferrite cores are used to shield the cables from interference.
- When connecting a cable, open the ferrite core and clip it around the cable near the plug.

Your PDP Display

Front



① *SOURCE button [SOURCE]*

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

[**PC**] → [**DVI**] → [**AV**] → [**HDMI**] → [**MagicInfo**] → [**TV**] → [**BNC**] → [**Component**]

Note

- The **TV** menu is available when a TV tuner box is installed.
- The MagicInfo menu is available when a network box is installed.

Enter button [⏎]

Activates a highlighted menu item.

② *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.

③ *- VOL+*

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 ∧ *SEL* ∨

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

/ When OSD is not on the screen, push the button to adjust channel.

⑤ *Power button [⏻]*

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

⑥ *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 PDP Display OFF when it is not needed or when leaving it unattended for long periods.

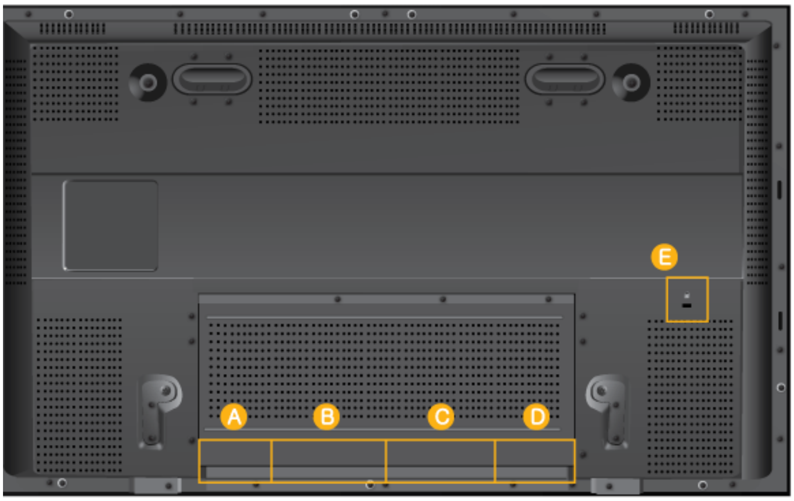
⑦ *Remote Control Sensor*

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

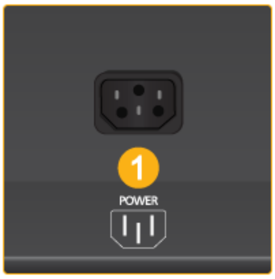
Rear

Note

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



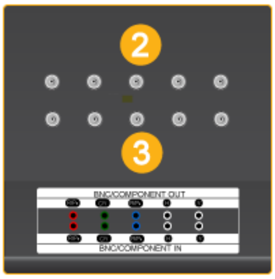
Ⓐ



① *POWER*

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

Ⓑ



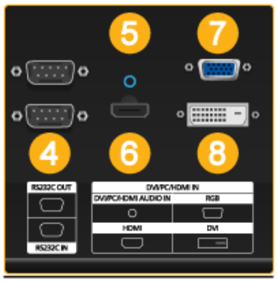
② *BNC/COMPONENT OUT* [R/P_R , G/Y , B/P_B , H , V] *(BNC/Component Connection Terminal (Output))*

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

Component Connection: connecting the P_R, Y, P_B ports

③ *BNC/COMPONENT IN* [R/P_R , G/Y , B/P_B , H , V] *(BNC/Component Connection Terminal (Input))*

Ⓒ



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

MDC(Multiple Display Control) Program Port

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

⑥ *DVI / PC / HDMI IN [HDMI]*

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

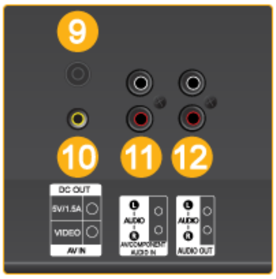
⑦ *DVI / PC / HDMI IN [RGB](PC Video Connection Terminal)*

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

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

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

Ⓓ



⑨ *DC OUT [5V/1.5A]*

Connect this to the POWER connector of a TV tuner box or network box.

⑩ *AV IN [VIDEO]*

Connect the [VIDEO] terminal of your monitor to the video output terminal of the external device using a VIDEO cable.

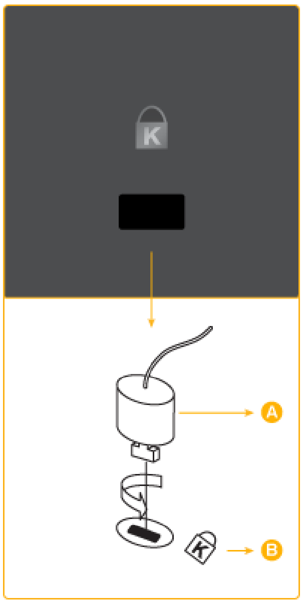
11 *AV/COMPONENT AUDIO IN [L- AUDIO - R*]

Connect the port of the DVD, VCR (DVD / DTV Set-Top Box) to the [L- AUDIO - R] port of the PDP Display.

12 *AUDIO OUT [L- AUDIO - R*]

Headphone output terminal.

E



Kensington Lock

The Kensington Lock is a device used to physically fix the system when using it in a public place. The locking device has to be purchased separately. The appearance and locking method may differ from the illustration depending on the manufacturer. Refer to the manual provided with the Kensington Lock for proper use. The locking device has to be purchased separately.

Note

The location of the Kensington Lock may be different depending on its model.

Using the Anti-Theft Kensington Lock

1. Insert the locking device into the Kensington slot on the Monitor B and turn it in the locking direction A.
2. Connect the Kensington Lock cable.
3. Fix the Kensington Lock to a desk or a heavy stationary object.

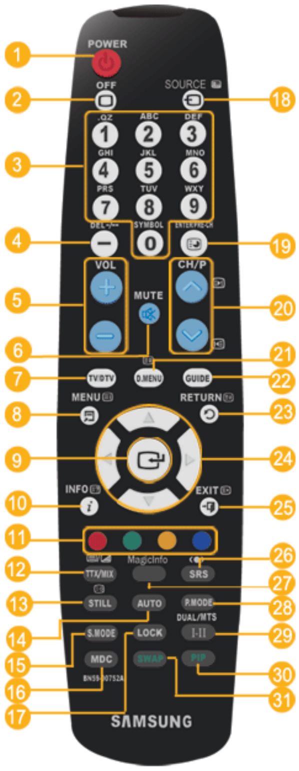
Note

See Connecting Cables for further information regarding cable connections.

Remote Control

Note

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



① ⏻ POWER

② ▭ OFF

③ Number Buttons

④ DEL -/-- button

⑤ + VOL -

⑥ 🔇 MUTE

⑦ TV/DTV

⑧ MENU

⑨ ⏎

⑩ *i* INFO

⑪ Color Buttons

⑫ TTX/MIX

⑬ STILL

⑭ AUTO

⑮ S.MODE

⑯ MDC

⑰ LOCK

⑱ SOURCE

⑲ ENTER/PRE-CH

⑳ ∨ CH/P ∧

㉑ D.MENU

㉒ GUIDE

㉓ ↺ RETURN

㉔ Up-Down Left-Right buttons

㉕ EXIT

㉖ (●) SRS

㉗ MagicInfo

㉘ P.MODE

㉙ I-II DUAL/MTS

㉚ *PIP*

㉛ *SWAP*

1. ⏻ POWER	Turns the product On.
2. ▢ Off	Turns the product Off.
3. Number Buttons	Press to change the channel.
4. DEL -/-- button	The "-" button operates only for DTV. It is used to select MMS (multi-channel) for a DTV.
5. + VOL -	Adjusts the audio volume.
6. 🔇 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.
7. TV/DTV	Selects the TV and DTV mode directly.
8. MENU	Opens the on-screen menu and exits from the menu or closes the adjustment menu.
9. ↵	Activates a highlighted menu item.
10. *i* INFO	Current picture information is displayed on the upper left corner of the screen.
11. Color Buttons	Press to add or delete channels and to store channels to the favorite channel list in the “Channel List” menu.
12. ▤/◪ TTX/MIX	TV channels provide written information services via teletext. - Teletext Buttons ⑧ ▤, ⑩ ▤, ⑬ ▤, ⑱ ▤, ⑲ ▤, ⑳ ▤/▤, ㉑ ▤, ㉓ ▤, ㉕ ▤, For more information > TTX / MIX
13. STILL	Press the button once to freeze the screen. Press it again to unfreeze.
14. AUTO	Adjusts the screen display automatically in **PC** mode. By changing the resolution in the control panel, auto function is performed.
15. S.MODE	When pressing this button, the current mode is displayed at the bottom centre of the screen. The PDP 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**)
16. MDC	MDC Quick Launch Button.
17. LOCK	Activates or deactivates all function keys on both the remote control and the PDP Display except for the Power and LOCK buttons.
18. ⇥ SOURCE	Press the button to change the input signal SOURCE. Changing the SOURCE is only allowed for external devices that are connected to the monitor at the time.

19. ENTER/PRE-CH	This button is used to return to the immediately previous channel.
20. ∨CH/P∧	In **TV** mode, selects TV channels.
21. D.MENU	DTV menu display
22. GUIDE	Electronic Program Guide (EPG) display.
23. ⟲ RETURN	Returns to the previous menu.
24. Up-Down Left-Right buttons	Moves from one menu item to another horizontally, vertically or adjusts selected menu values.
25. EXIT	Exits from the menu screen.
26. (●) SRS	Selects SRS TruSurround XT mode.
27. MagicInfo	MagicInfo Quick Launch Button.
28. P.MODE	When you press this button, current picture mode is displayed on the lower center of the screen. ***AV* / *HDMI* / *TV* / *Component*** *: P.MODE* The PDP 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* / *BNC* / *DVI* / *MagicInfo*** **MagicBright** is a 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**)
29. I-II 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

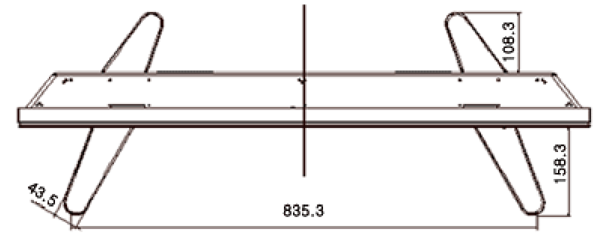
30. *PIP*	Every time you press the button, a PIP screen appears. - This fuction does not work for this PDP Display.

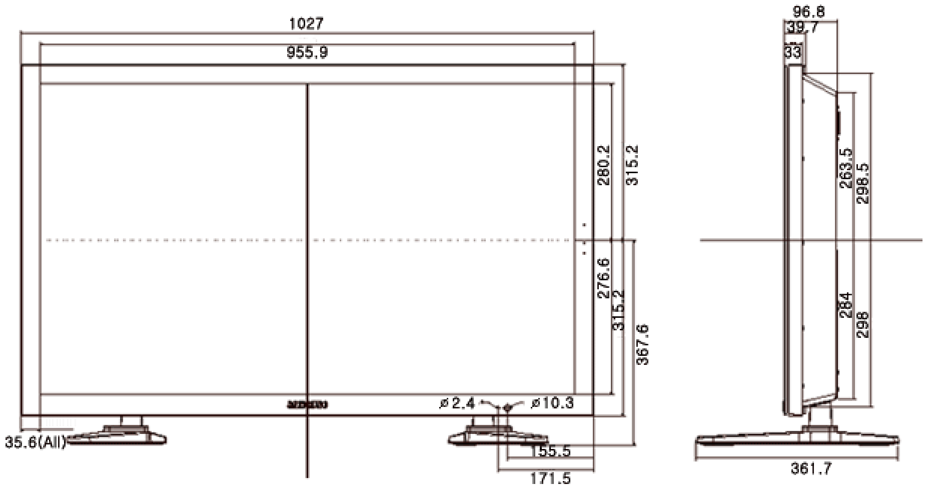
31. *SWAP*	Swaps the contents of the PIP and main image. The image in the PIP window will appear on the main screen, and the main screen image will appear in the PIP window. - This fuction does not work for this PDP Display.

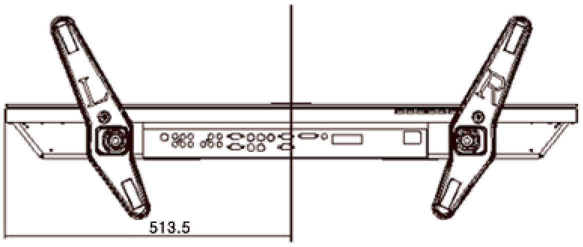
Mechanical Layout (P42HP)

Mechanical Layout

NETWORK MODEL SIZE

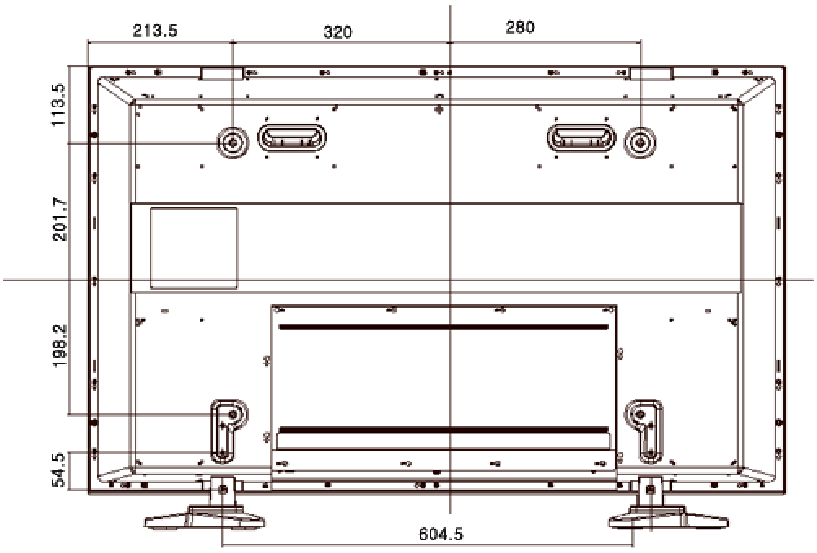






PDP Display Head

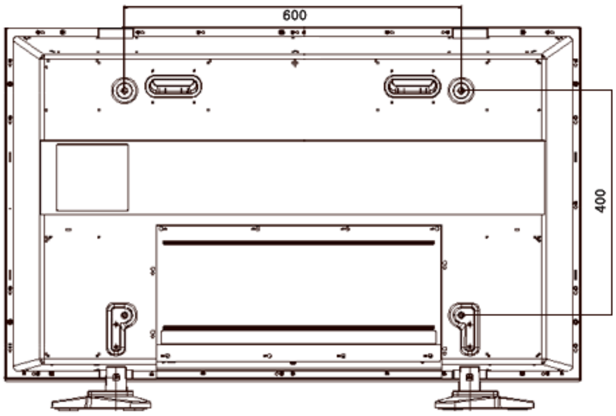
NETWORK MODEL SIZE



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 PDP Display.
- SAMSUNG is not responsible for any product damage or any injury caused by installation at customer's discretion.

Dimensions



Notice

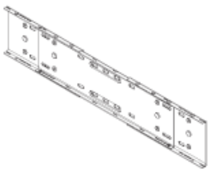
For securing the bracket on a wall, use only machine screws of 6 mm diameter and 8 to 12 mm length.

Wall Bracket Installation

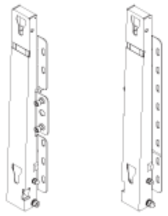
- Contact a technician for installing the wall bracket.
- SAMSUNG Electronics is not responsible for any damages to the product or harm to customers when the installation is done by the customer.
- This product is for installing on cement walls. The product may not stay in place when installed on plaster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

Components

Only use the components and accessories shipped with the product.



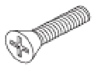
Wall Bracket(1)



Hinge(Left 1, Right 1)

Plastic Hanger (4)

Screw (A)(11)



Screw (B)(4)

Anchor (11)

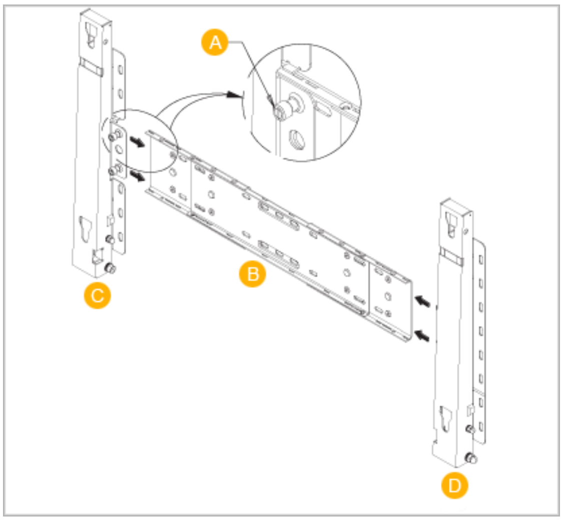
Wall Bracket Assembly

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.

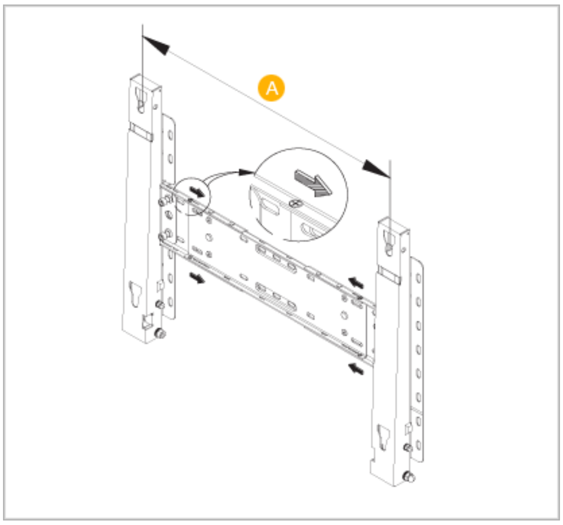


There are two hinges(left and right). Use the correct one.

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

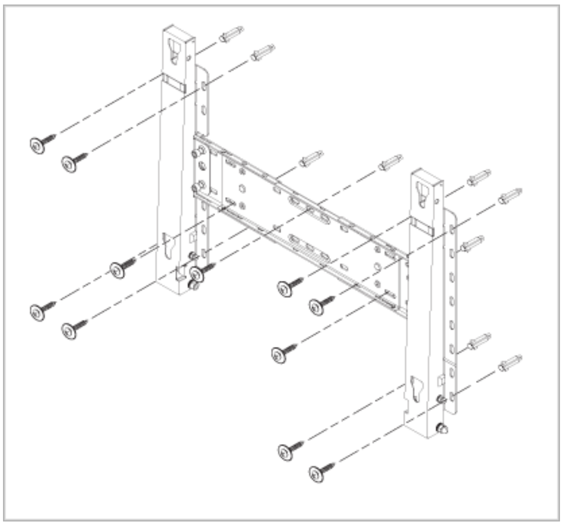
2. Before drilling into the wall, check if the length between the two locking holes at the back of the product is correct.

   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

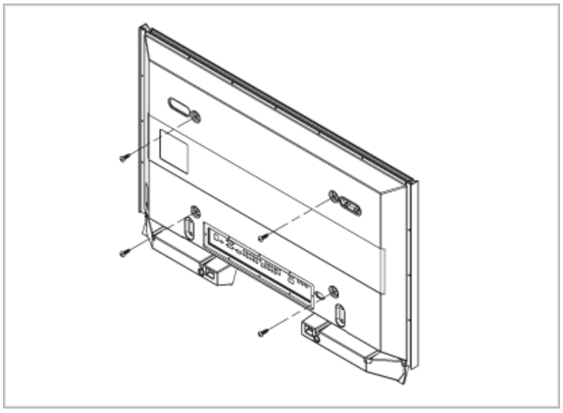
3. Check the installation diagram and mark the drill points on the wall. Use the 5.0 mm bit to drill holes deeper than 35 mm. Fix each anchor in the corresponding hole. Match each of the brackets and hinge holes to the corresponding anchor holes and insert and tighten the 11 screws A.



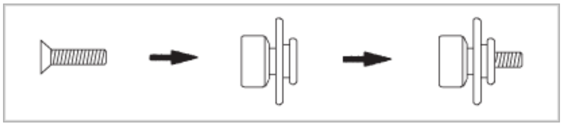
To mount the product on the wall bracket

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.



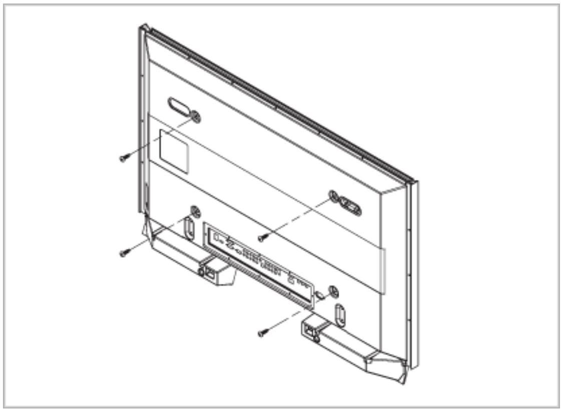
2. Insert the screw B into the plastic hanger.



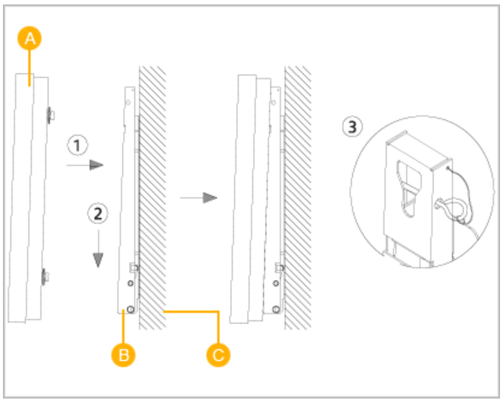
Notice

- 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.



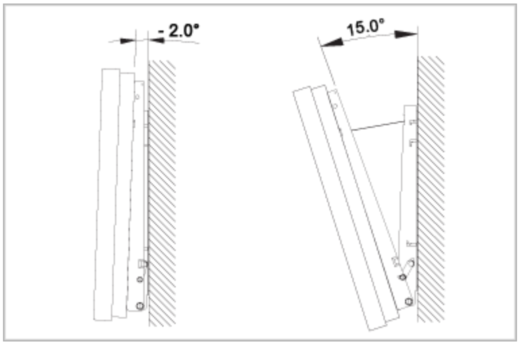
4. Remove safety pin (3) and insert the 4 product holders into the corresponding bracket holes (1). Then place the product(2) so that it is firmly fixed to the bracket. Make sure to re-insert and tighten the safety pin (3) to securely hold the product to the bracket.



A -	PDP Display
B -	Wall Bracket
C -	Wall

Wall Bracket Angle Adjustment

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

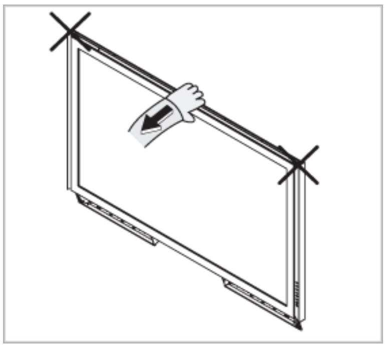


1. Fix the product to the wall bracket.

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

Note

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

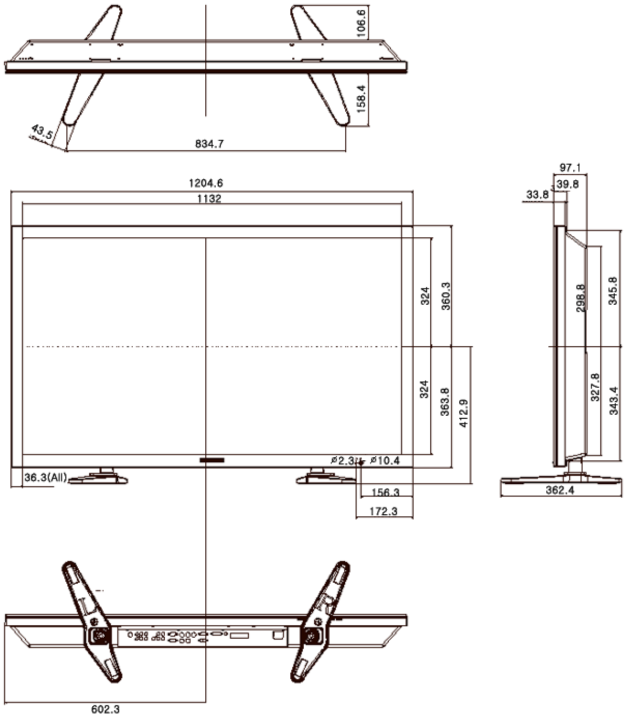


Make sure to use the top center, and not the leftor the right side of the product to adjust the angle.

Mechanical Layout (P50HP)

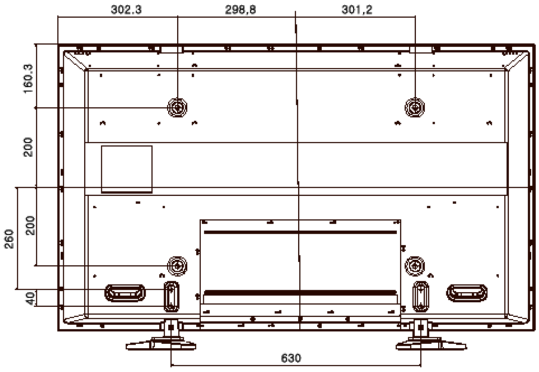
Mechanical Layout

NETWORK MODEL SIZE



PDP Display Head

NETWORK MODEL SIZE

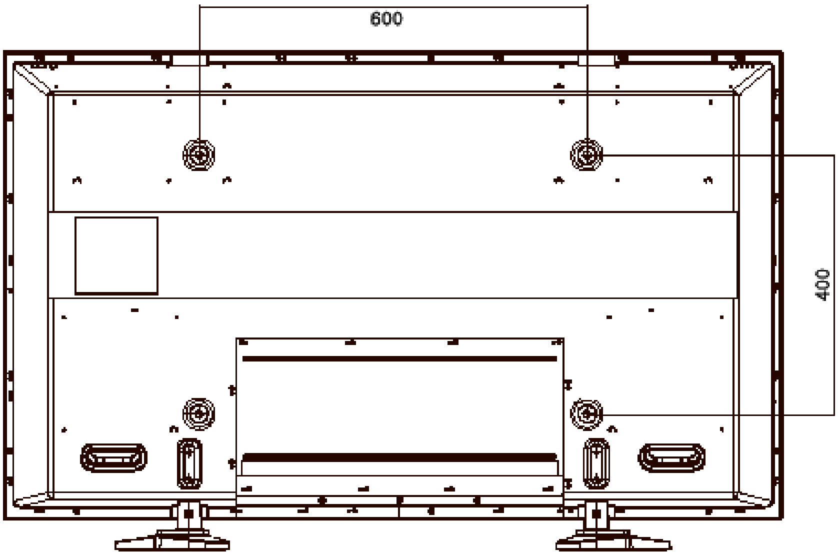


Installation VESA Bracket

- 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 PDP Display.

- SAMSUNG is not responsible for any product damage or any injury caused by installation at customer's discretion.

Dimensions



Notice

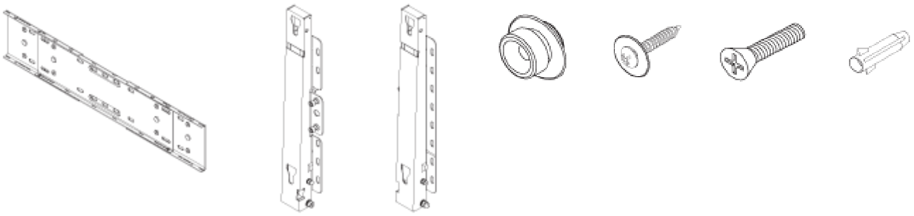
For securing the bracket on a wall, use only machine screws of 6 mm diameter and 8 to 12 mm length.

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)

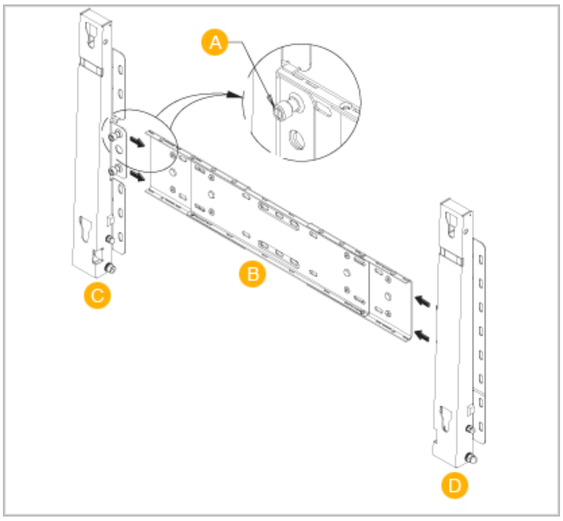
Wall Bracket Assembly

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.

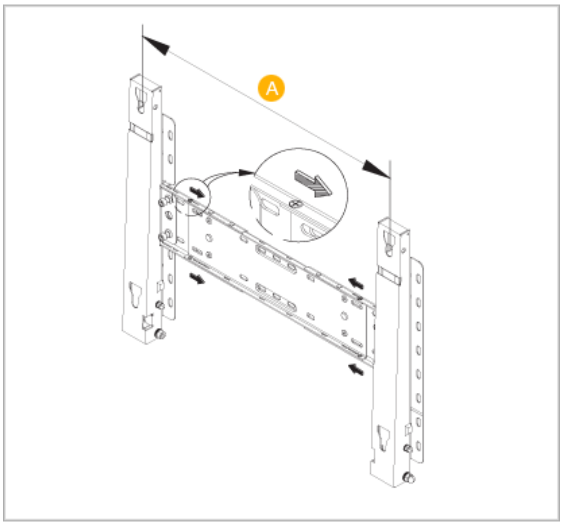


There are two hinges(left and right). Use the correct one.

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

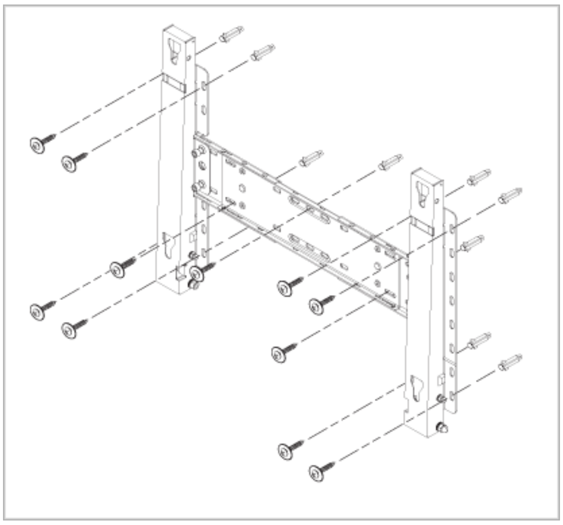
2. Before drilling into the wall, check if the length between the two locking holes at the back of the product is correct.

   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

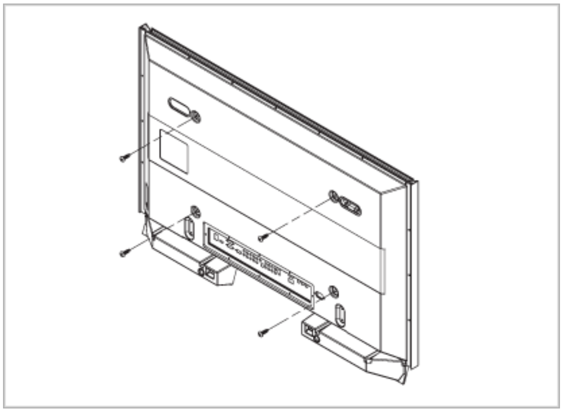
3. Check the installation diagram and mark the drill points on the wall. Use the 5.0 mm bit to drill holes deeper than 35 mm. Fix each anchor in the corresponding hole. Match each of the brackets and hinge holes to the corresponding anchor holes and insert and tighten the 11 screws A.



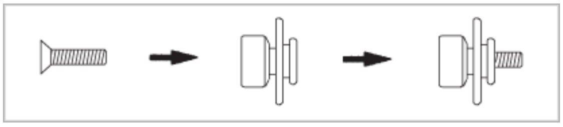
To mount the product on the wall bracket

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.

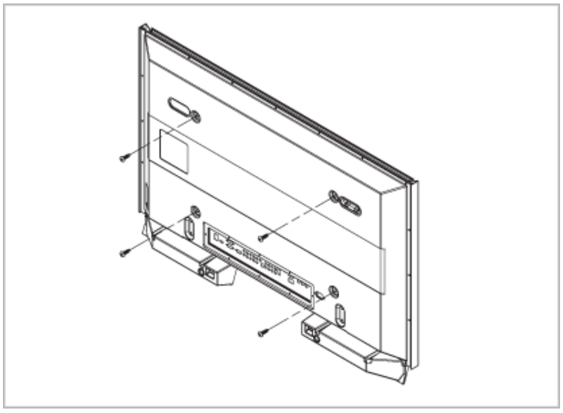


Notice

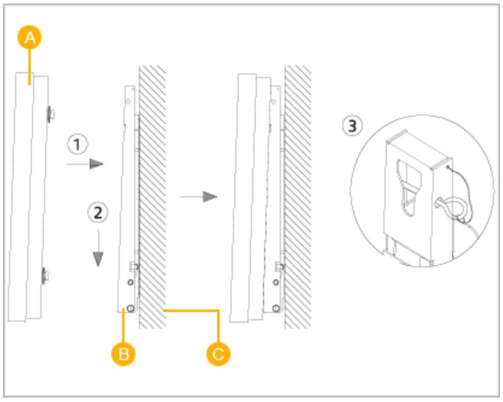
- Mount the product on the wall bracket and make sure it is properly fixed to the left and right plastic hangers.
- Be careful when installing the product on the bracket as fingers can be caught in the holes.

- 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.



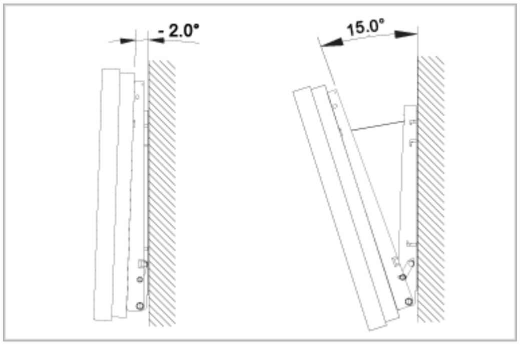
4. Remove safety pin (3) and insert the 4 product holders into the corresponding bracket holes (1). Then place the product(2) so that it is firmly fixed to the bracket. Make sure to re-insert and tighten the safety pin (3) to securely hold the product to the bracket.



A -	PDP Display
B -	Wall Bracket
C -	Wall

Wall Bracket Angle Adjustment

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

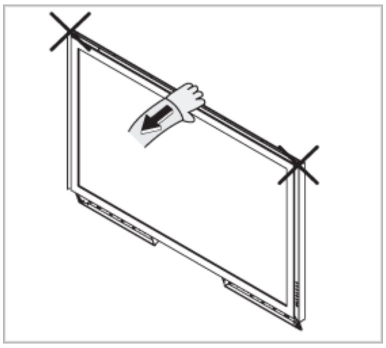


1. Fix the product to the wall bracket.

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

Note

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



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

Connections

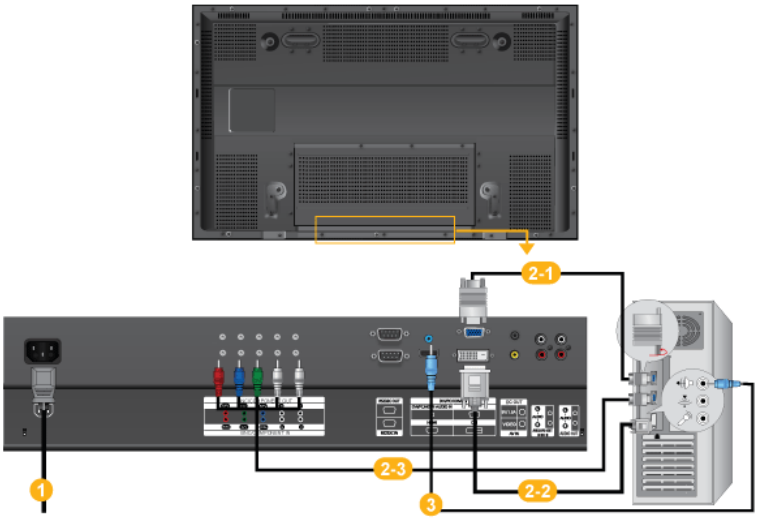
Connecting a Computer

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 un-wiring the earth lead, make sure to disconnect the AC power in advance.

Note

AV input devices such as DVD players, VCRs or camcorders as well as your computer can be connected to the PDP Display. For detailed information on connecting AV input devices, refer to the contents under Adjusting Your PDP Display.

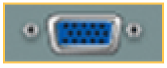


① Connect the power cord for your PDP Display to the power port on the back of the PDP Display. Turn on the power switch.

② There are 3 ways to connect the D-sub to your PDP Display. Choose one of the following:

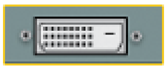
2-1 Using the D-sub (Analog) connector on the video card.

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



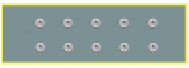
2-2 Using the DVI (Digital) connector on the video card.

- Connect the DVI Cable to the DVI port on the back of your PDP 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 PDP Display and the 15 pin D-sub Port on the computer.



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

Note

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

Connecting to Other devices

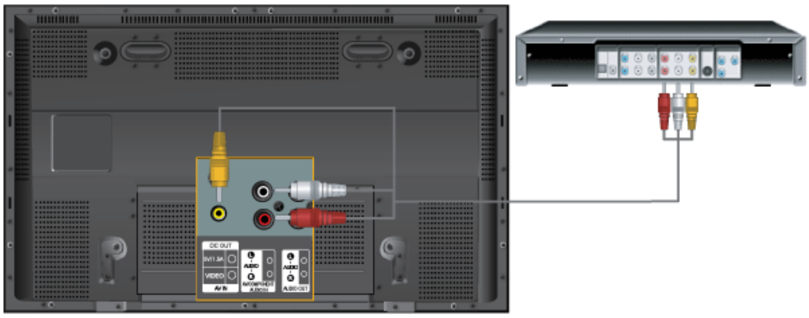
Using a Power cord with Earth

- 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 un-wiring the earth lead, make sure to disconnect the AC power in advance.

Note

AV input devices such as DVD players, VCRs or camcorders as well as your computer can be connected to the PDP Display. For detailed information on connecting AV input devices, refer to the contents under Adjusting Your PDP Display.

Connecting AV Devices

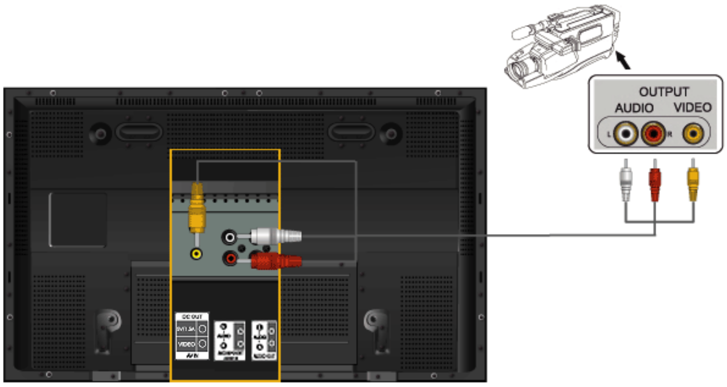


1. Connect the port of the DVD, VCR (DVD / DTV Set-Top Box) to the [R-AUDIO-L] port of the PDP Display.
2. Then, start the DVD, VCR or Camcorders with a DVD disc or tape inserted.
3. Select **AV** using the SOURCE .

Note

The PDP Display has AV connection terminals to connect AV input devices like DVDs, VCRs or Camcorders. You may enjoy AV signals as long as the PDP Display is turned on.

Connecting to a Camcorder

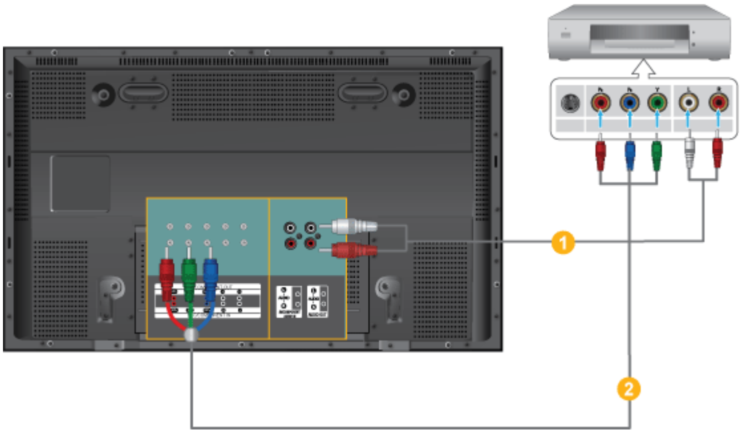


1. Locate the AV output jacks on the camcorder. They are usually found on the side or back of the camcorder. Connect a set of audio cables between the AUDIO OUTPUT jacks on the camcorder and the AV/COMPONENT AUDIO IN [L-AUDIO-R] on the PDP Display.
2. Connect a video cable between the VIDEO OUTPUT jack on the camcorder and the AV IN [VIDEO] on the PDP Display.
3. Select **AV** for the Camcorder connection using the Source button on the front of the PDP Display or on the remote control.
4. Then, start the Camcorders with a tape inserted.

Note

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 DVD Player



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

Note

- Select **Component** for the connection to a DVD player using the SOURCE button on the front of the PDP Display or on the remote control.

- Then, start the DVD Player with a DVD disc inserted.

Note

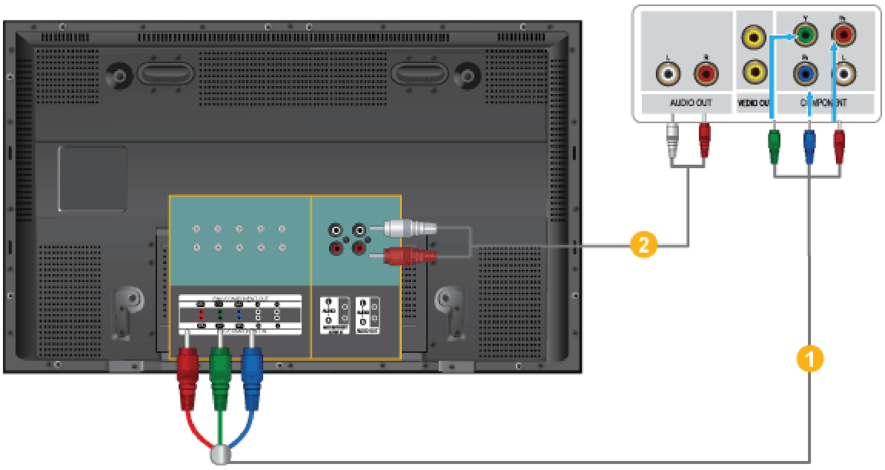
- A component cable is optional.

  For an explanation of Component video, consult your DVD manual.

Connecting a DTV Set Top Box

Note

- The connections for a typical Set Top Box are shown below.



1. Connect a Component cable between the BNC / COMPONENT IN - P_R, Y, P_B port on the PDP Display and the P_R, Y, P_B jacks on the Set Top Box.

2. Connect a set of audio cables between the AV/COMPONENT AUDIO IN [L-AUDIO-R] on the PDP Display and the AUDIO OUT jacks on the Set Top Box.

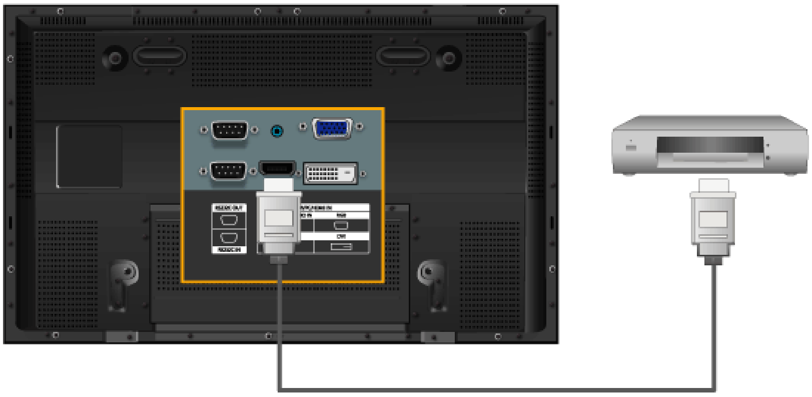
Note

- Select **Component** for the connection to a DTV Set Top Box using the SOURCE button on the front of the PDP Display or on the remote control.

Note

- For an explanation of Component video, see your Set Top Box owner's manual.

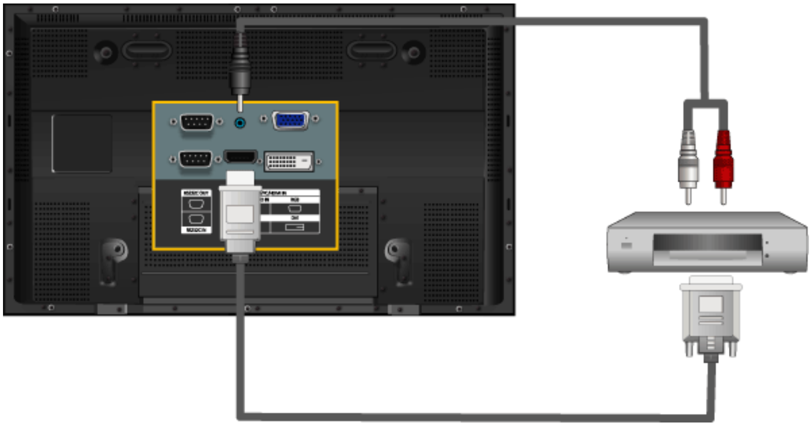
Connecting Using a HDMI Cable



Note

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

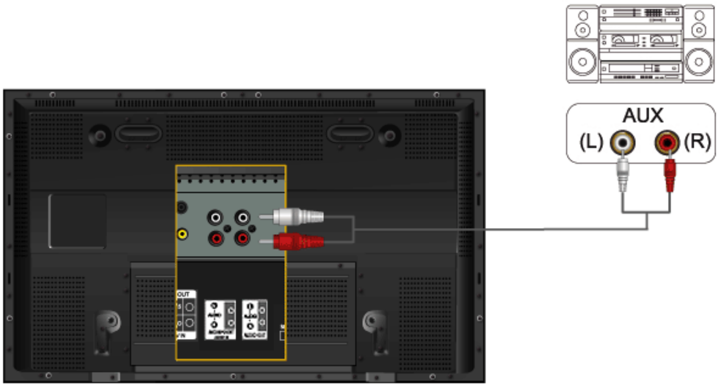
Connecting Using a DVI to HDMI Cable



Note

- Connect the DVI output terminal of a digital output device to the HDMI IN terminal of the PDP 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 AUDIO IN terminal of the PDP Display.

Connecting to an Audio System



Note

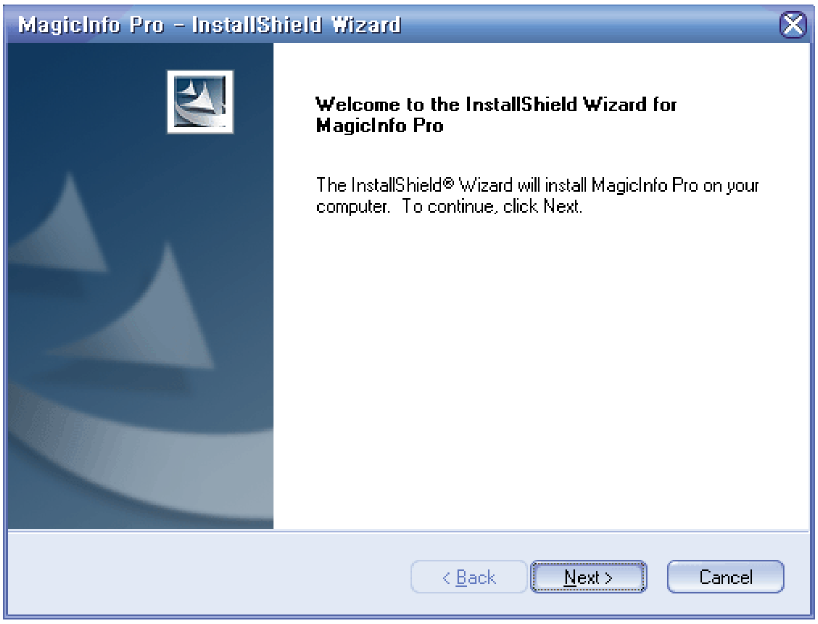
- Connect a set of audio cables between the AUX L, R jacks on the AUDIO SYSTEM and AUDIO OUT [L-AUDIO-R] on PDP Display.

Using the Software

Installation MagicInfo Pro

Installation

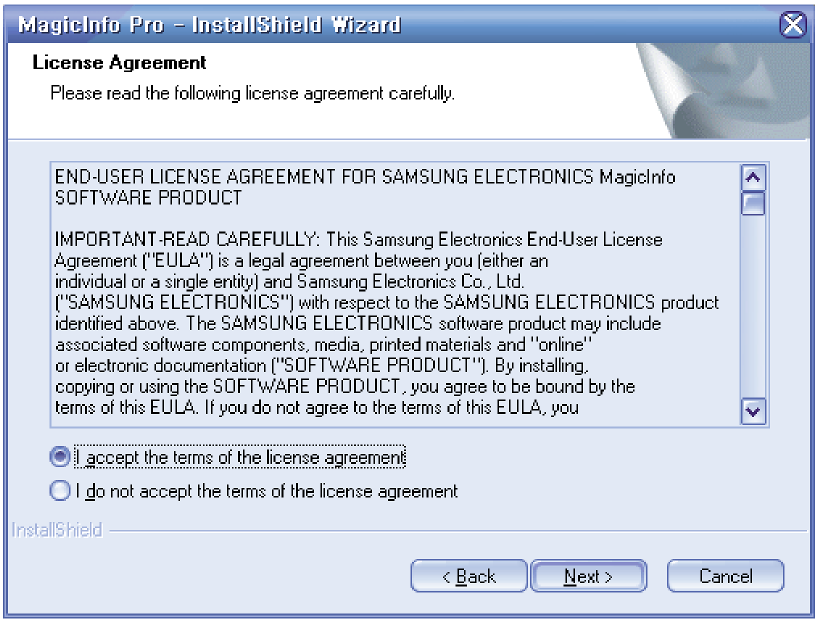
1. Insert CD into the CD-ROM drive.
2. Click the MagicInfo Pro installation file.
3. When the Install Shield Wizard window appears, click "Next."



Welcome to the InstallShield Wizard for MagicInfo Pro

The InstallShield® Wizard will install MagicInfo Pro on your computer. To continue, click Next.

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



License Agreement

Please read the following license agreement carefully.

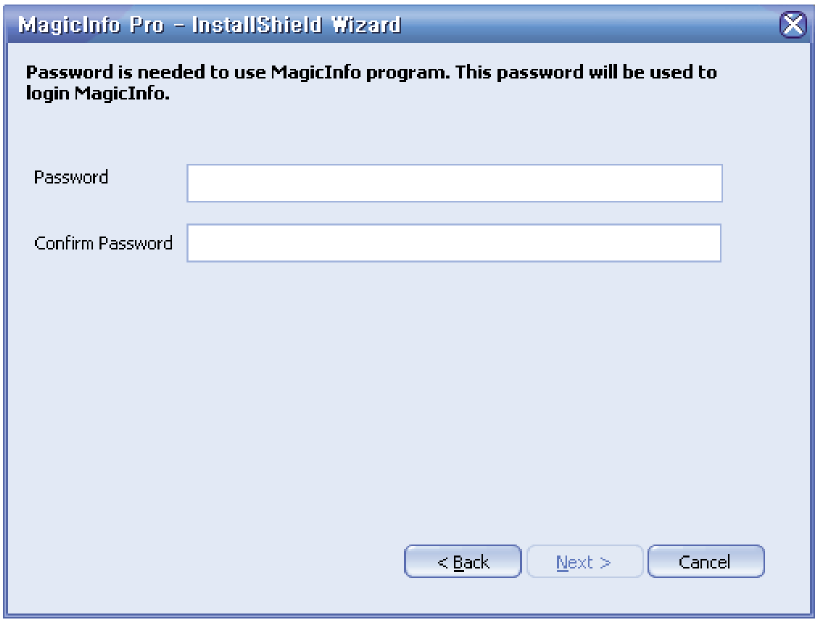
END-USER LICENSE AGREEMENT FOR SAMSUNG ELECTRONICS MagicInfo SOFTWARE PRODUCT

IMPORTANT-READ CAREFULLY: This Samsung Electronics End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("SAMSUNG ELECTRONICS") with respect to the SAMSUNG ELECTRONICS product identified above. The SAMSUNG ELECTRONICS software product may include associated software components, media, printed materials and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying or using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, you

● I accept the terms of the license agreement

○ I do not accept the terms of the license agreement

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.



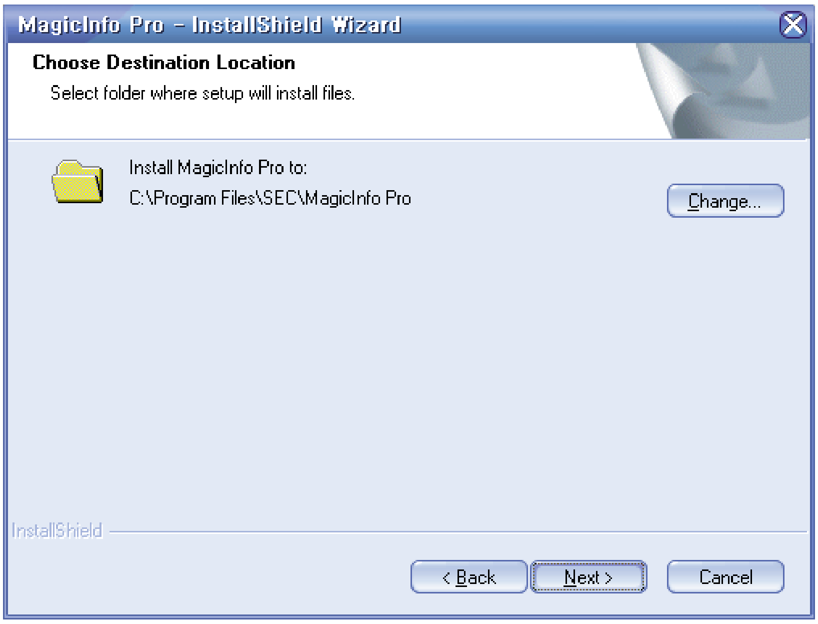
MagicInfo Pro - InstallShield Wizard

Password is needed to use MagicInfo program. This password will be used to login MagicInfo.

Password

Confirm Password

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



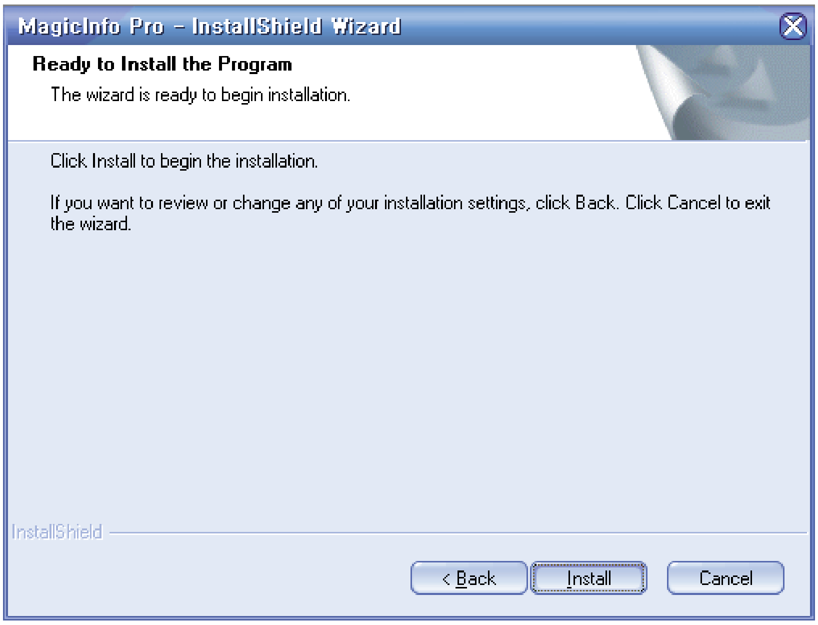
MagicInfo Pro - InstallShield Wizard

Choose Destination Location

Select folder where setup will install files.

Install MagicInfo Pro to:
C:\Program Files\SEC\MagicInfo Pro

7. Click "Install."



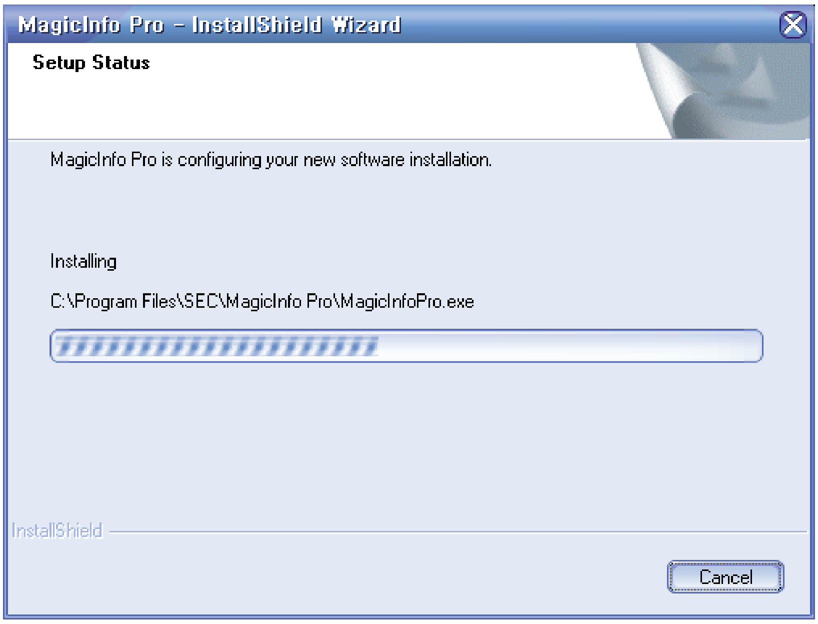
Ready to Install the Program

The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

8. The "Installation Status" window appears.



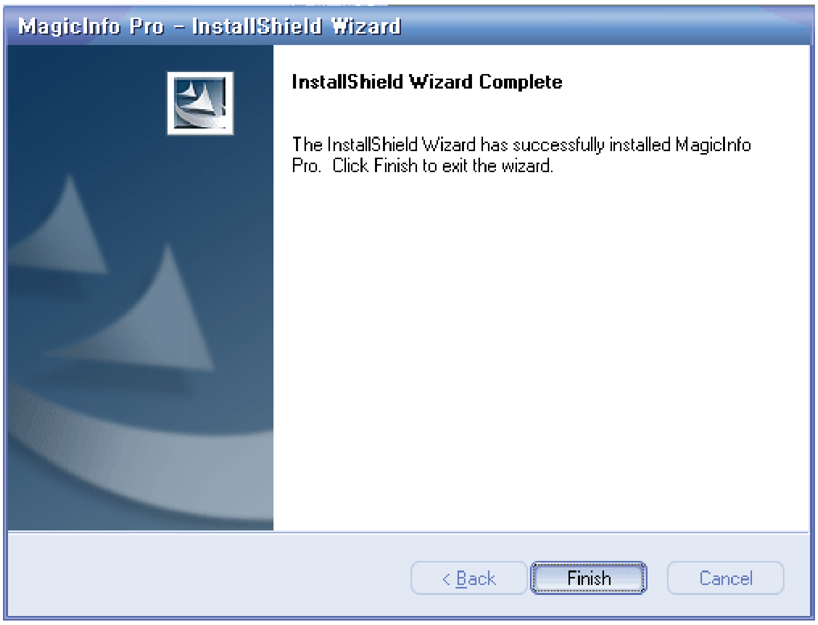
Setup Status

MagicInfo Pro is configuring your new software installation.

Installing

C:\Program Files\SEC\MagicInfo Pro\MagicInfoPro.exe

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



InstallShield Wizard Complete

The InstallShield Wizard has successfully installed MagicInfo Pro. Click Finish to exit the wizard.

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

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

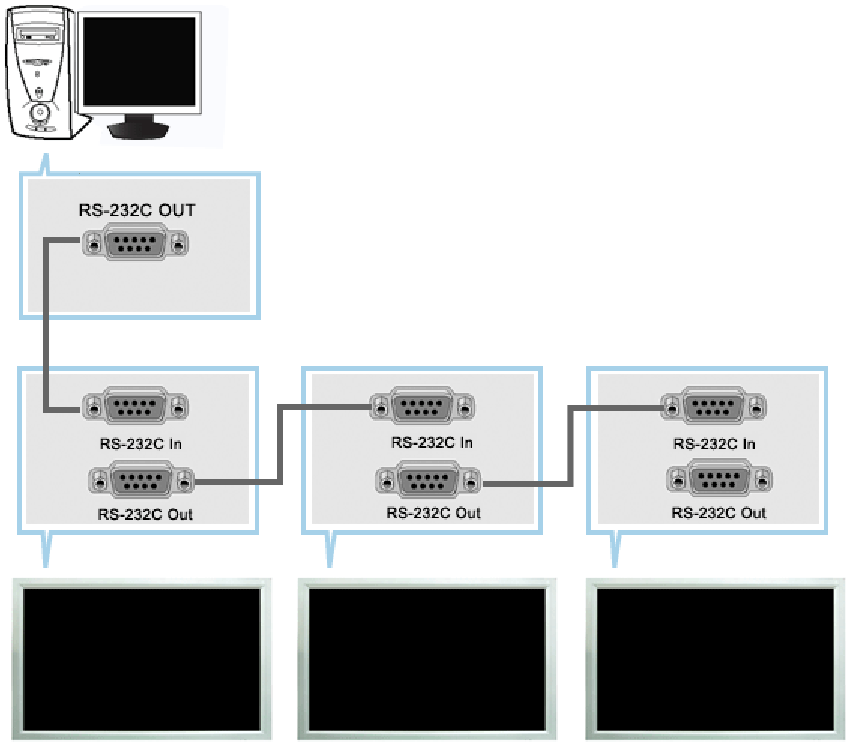
System Requirements

	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			

Multiple Display Control

MDC System

Introduction

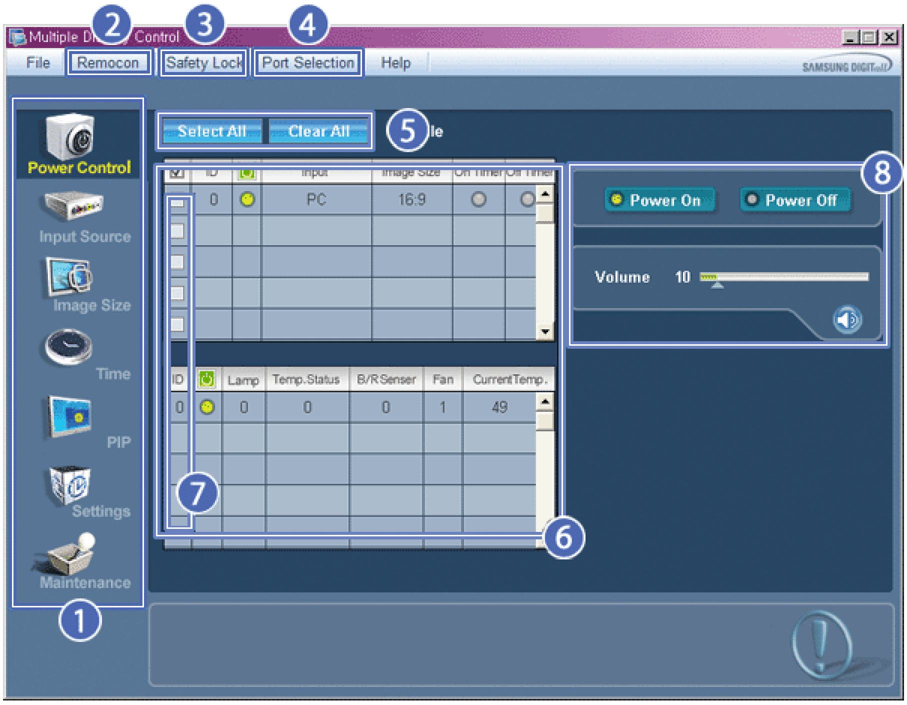


A Multiple Display Control (MDC) is an application allowing various displays to be easily and simultaneously operated on a PC. RS-232C, a standard of serial communication, is used for the communication between a PC and a display. Therefore, a serial cable should be connected between the serial port on a PC and the serial port on a display.

Main Screen

Click Start > Program > Samsung > MDC System to start the program.

Select a set to see the volume of the selected set within the slider.

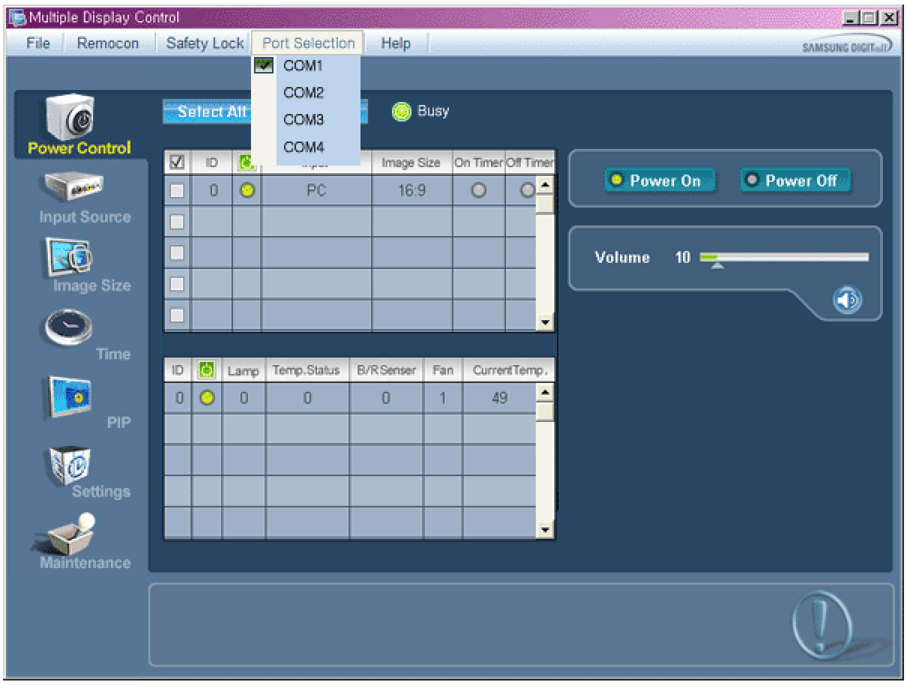


① **Main Icons**
② **Remocon**
③ **Safety Lock**
④ **Port Selection**
⑤ **Select Button**
⑥ **Info Grid**
⑦ **Display Selection**
⑧ **Control Tools**

1. Use the main icons to switch into each screen.
2. Allows you to enable or disable the remote control signal receiving function of the display unit.
3. Set the Safety Lock function.
   When setting the Lock function, you can only operate power and lock buttons on the remote control and set.
4. The setting for the PC Serial Port can change. The original value is COM1.
5. Click Select all or Clear to select or clear all displays.
6. Use Grid to view brief information on selected display.
7. Select a display from Display Selection.
8. Use Control Tools to control displays.

<Note> The remote control Enable/Disable function operates whether or not the power is On/Off, and this applies to all displays connected to the MDC. However, regardless of the status at the time the MDC is shut down, the remote control signal receiving function of all displays is initialized to Enable when the MDC is closed.

Port Selection



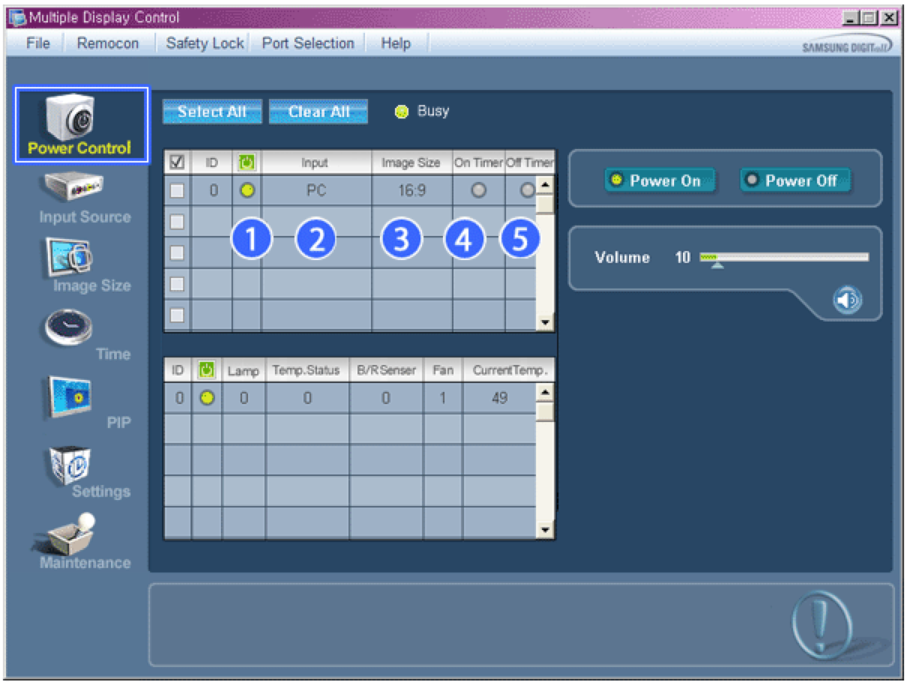
☑	ID		Input	Image Size	On Timer	Off Timer
☐	0	●	PC	16:9	○	○
☐						
☐						
☐						
☐						

ID		Lamp	Temp.Status	B/R Senser	Fan	CurrentTemp.
0	●	0	0	0	1	49

1. The Multiple Display Control is originally set to COM1.
2. If any port other than COM1 is used, COM1 through COM4 can be selected in the Port Selection Menu.
3. If the exact port name that is connected to the PDP Display using a serial cable is not selected, communication will be unavailable.
4. The selected port is stored in the program and used for the next program as well.

Power Control

1. Click Power Control of the main icons and the Power Control screen appears.



✱ Info Grid shows some basic information necessary to Power Control.

1) 🟩 (Power Status)

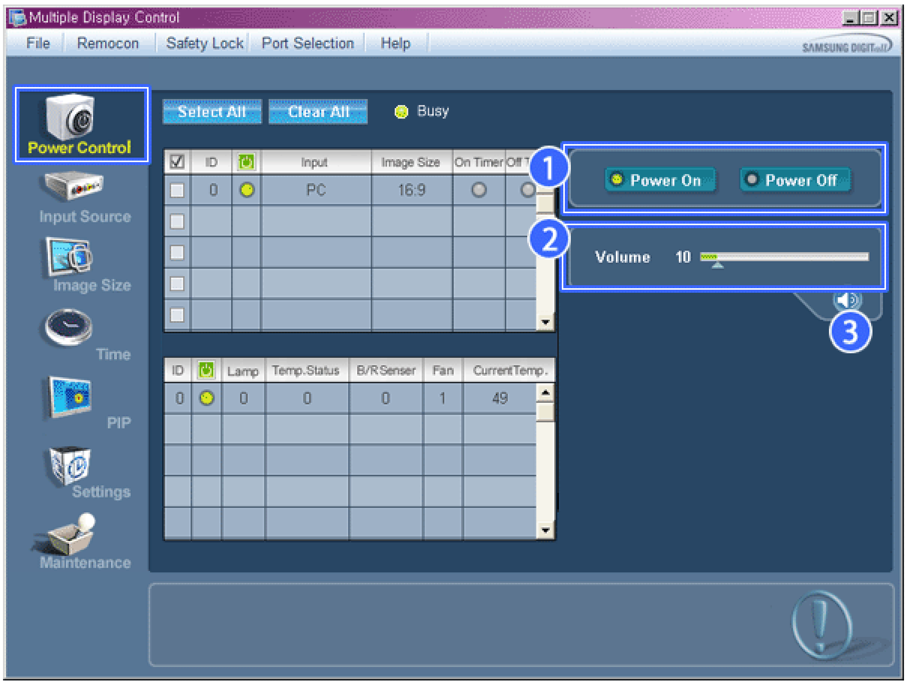
2) Input

3) Image Size

4) On Timer

5) Off Timer

2. Use the Select All button or Check Box to choose a display to control.



✱ ☑ Power Control allows controlling some of the functions of the selected display.

1) Power On/Off

- Turns the power of the selected display On/Off.

2) Volume

- Controls the volume level of the selected display.
  It receives the volume value of the selected display from the sets and displays it in the slider.
  (When you cancel the selection or choose Select All, the value returns to the default value 10)

3) 🔈 (Mute On/Off)

- Turns on/off the Mute function of the selected display.
  When selecting one set at a time, turn on the Mute function for the selected set.
  The Mute function is disabled automatically when you adjust the volume level.
  (The values return to the default settings when you undo the selections or choose "Select All".)

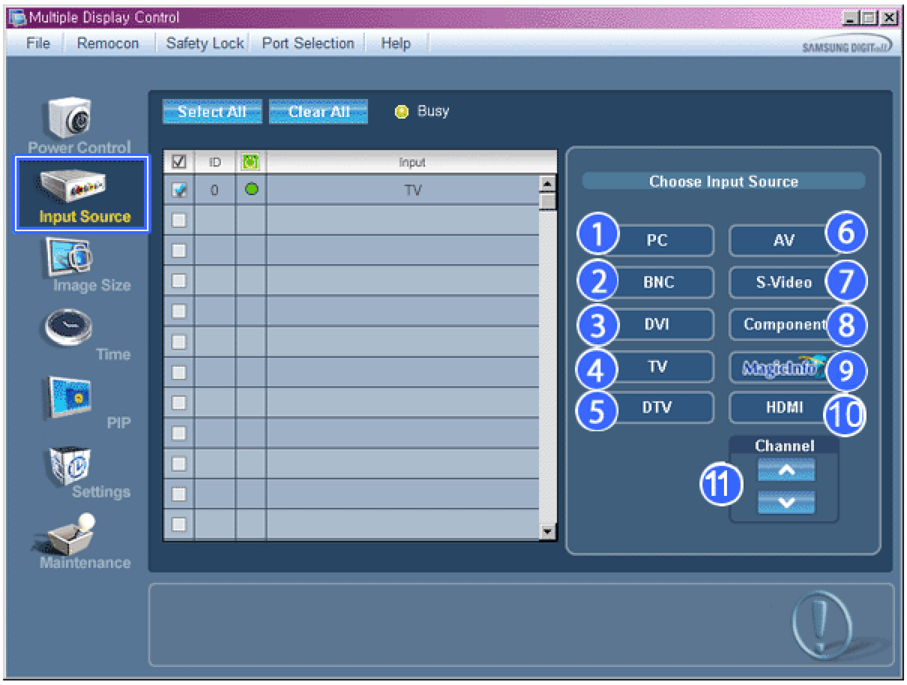
*** The Power Control feature is available for all displays.**

*** The Volume Control and Mute features are available only for the displays whose power status is ON.**

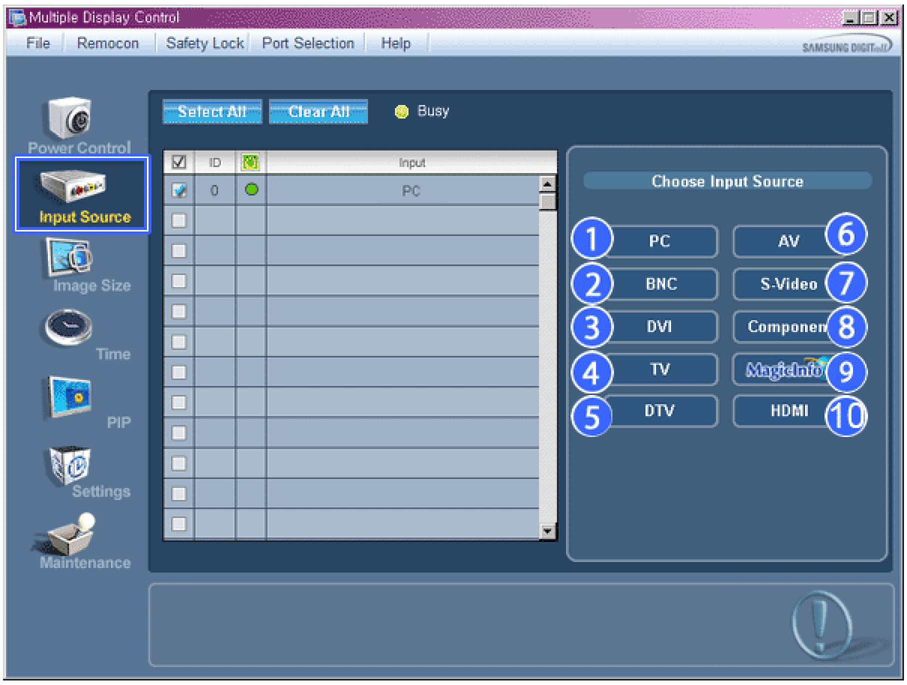
Input Source

1. Click Input Source of the main icons and the Input Source control screen appears.
   Click Select All or use Check Box to select a display to control.

- TV Mode



- PC Mode



✱ Info Grid shows some basic information necessary to Input Source Control.

1) PC
- Changes the Input Source of the selected display to PC.

2) BNC
- Changes the Input Source of the selected display to BNC.

3) DVI
- Changes the Input Source of the selected display to DVI.

4) TV
- Changes the Input Source of the selected display to TV.

5) DTV
- Changes the Input Source of the selected display to DTV.

6) AV
- Changes the Input Source of the selected display to AV.

7) S-Video
- Changes the Input Source of the selected display to S-Video.

8) Component
- Changes the Input Source of the selected display to Component.

9) MagicInfo
- The Input source of MagicInfo works only on MagicInfo model.

10) HDMI
- Changes the Input Source of the selected display to HDMI.

11) Channel
- Channel arrow appears when the Input Source is TV.

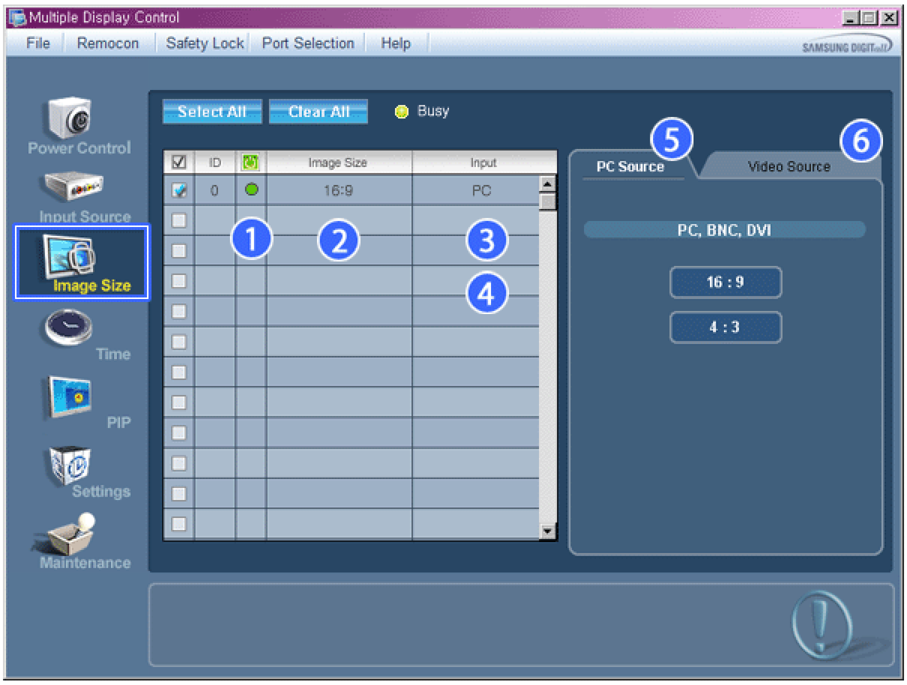
✱ TV Source can be selected only in products with TV and controlling channels is allowed only when Input Source is TV.

✱ The Input Source Control feature is available only for the displays whose power status is ON.

Image Size

PC, BNC, DVI

1. Click Image Size of the main icons and the Image Size control screen appears.



☑	ID	⏻	Image Size	Input
☑	0	●	16:9	PC

* Info Grid shows some basic information necessary to Image Size Control.

1) ⏻ (Power Status)

- Shows the power status of the current display.

2) Image Size

- Shows the current Image Size of the display in use.

3) Input

- Shows the current Input Source of the display in use.

4) Info Grid displays only the displays whose Input Source is PC, BNC, DVI.

5) PC Source - When you click Image Size, the PC Source tab first appear.

- The Image Size Control button controls Image Size available for PC, BNC, DVI.

6) Video Source

- Click the Video Source tab to control Image Size for respective Input Source.

*** The Input source of MagicInfo works only on MagicInfo model.**

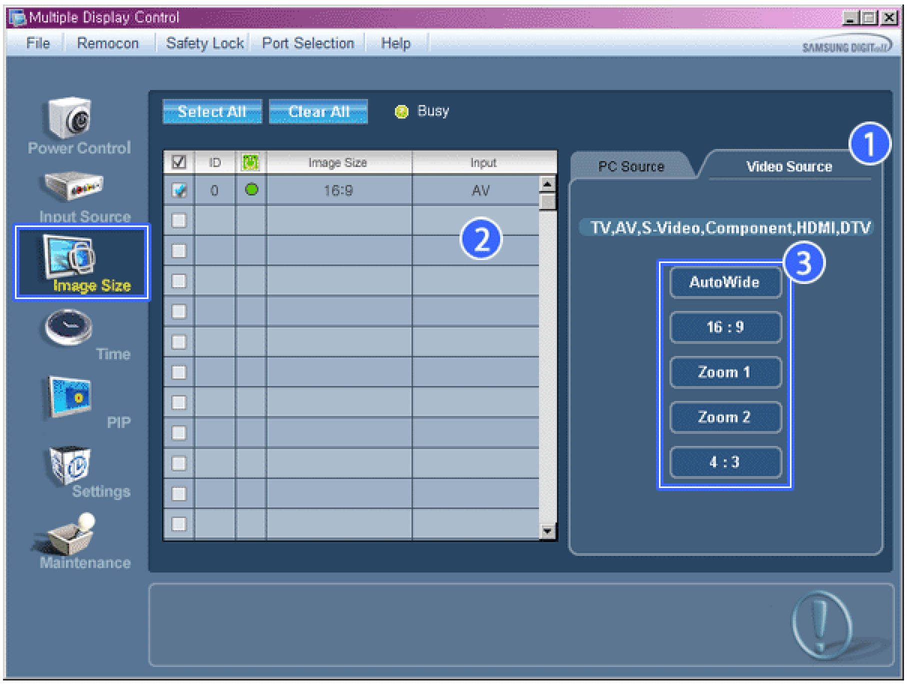
*** The Input source of TV works only on TV model.**

*** Image Size Control is available only for the displays for which power status is ON.**

Image Size

TV, AV, S-Video, Component, DVI(HDCP), HDMI, DTV

1. Click Image Size of the main icons and the Image Size control screen appears.



✱ Info Grid shows some basic information necessary to Image Size Control.

1) Click the Video Source tab to adjust Image Size for TV, AV, S-Video, Component, DVI(HDCP), HDMI, DTV.
Click Select All or use Check Box to select a display to control.

2) Info Grid displays only the display having TV, AV, S-Video, Component or DVI(HDCP) as input source.

3) Switch Image Size of the selected display randomly.

Note: Auto Wide, Zoom1 and Zoom2 are not available for selection when the input signal type for Component and DVI (HDCP) is 720p or 1080i.
(The Auto Wide mode is available only for TV, AV, and S-Video.)

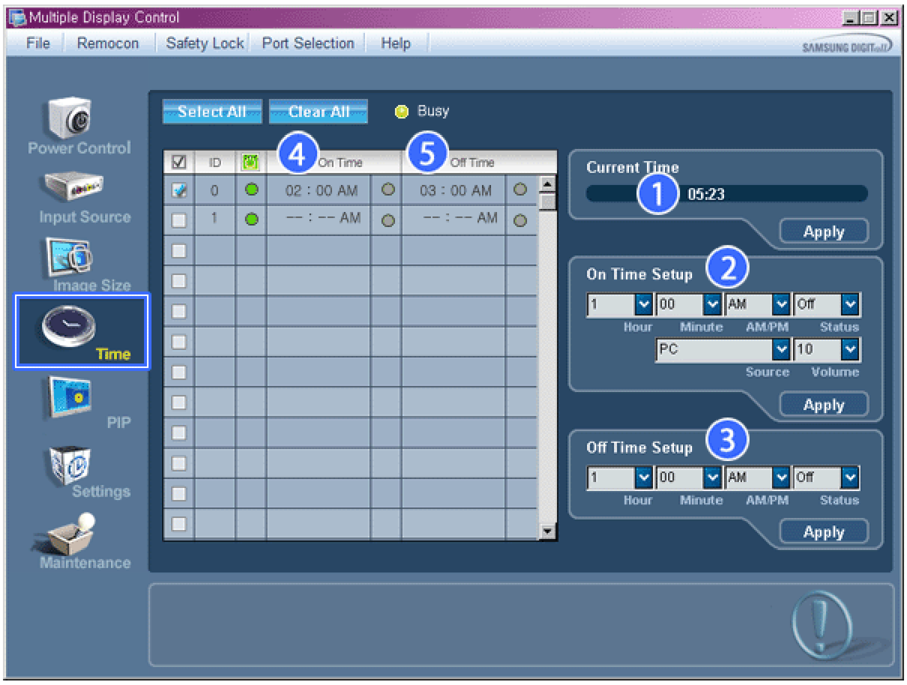
✱ **The Input source of MagicInfo works only on MagicInfo model.**

✱ **The Input source of TV works only on TV model.**

✱ **The Image Size Control feature is available only for the displays whose power status is ON.**

Time

1. Click Time of the main icons and the Time Control screen appears.



✱ Info Grid shows some basic information necessary to Time Control.

1) Current Time

- Set the current time for the selected display (PC Time).
- To change the current time, first change the PC Time.

2) On Time Setup

- Set the Hour, Minute, AM/PM of On Time Setup, Status, Source, Volume of the selected display.

3) Off Time Setup

- Set the Hour, Minute, and AM/PM, Status for Off Time Setup of the selected display.

4) Shows the On Time settings.

5) Shows the Off Time settings.

✱ **The Input source of MagicInfo works only on MagicInfo model.**

✱ **The Input source of TV works only on TV model.**

✱ **Time Control is available only for the displays for which the power status is ON.**

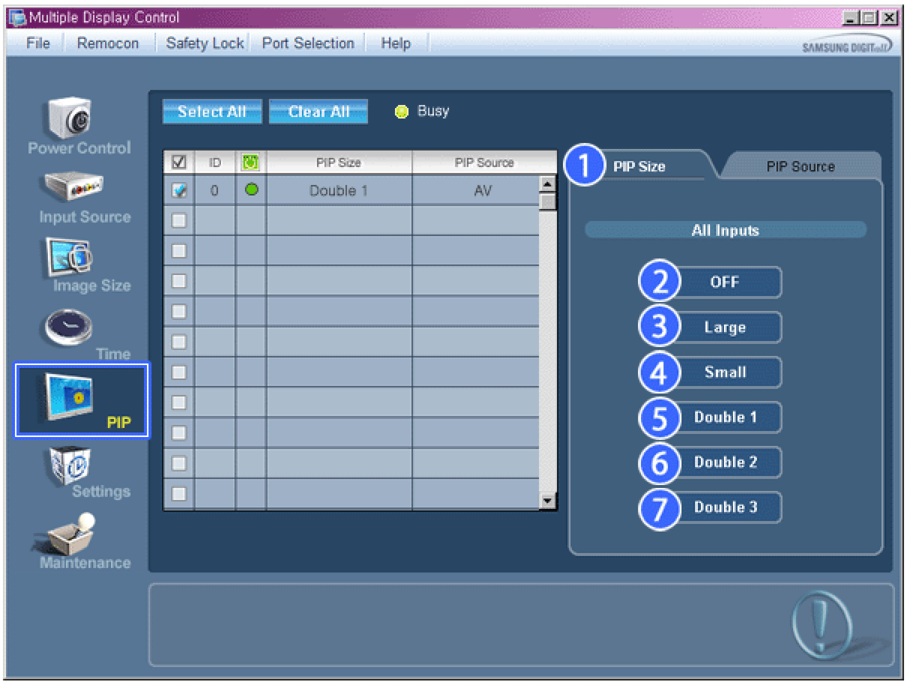
✱ **At On Time Setup, TV Source functions only for TV Model.**

✱ **At On Time Setup, MagicInfo Source functions only for MagicInfo Model.**

PIP

PIP Size

1. Click PIP of the main icons and the PIP control screen appears.
   Click Select All or use Check Box to select a display to control.



✱ Info Grid shows some basic information necessary to PIP Size Control.

1) PIP Size
   - Shows the current PIP Size of the display in use.
2) OFF
   - Turns off the PIP of the selected display.
3) Large
   - Turns on the PIP of the selected display and changes the size to Large.
4) Small
   - Turns on the PIP of the selected display and changes the size to Small.
5) Double 1
   - Turns on the PIP of the selected display and changes the size to Double 1.
6) Double 2
   - Turns on the PIP of the selected display and changes the size to Double 2.
7) Double 3 (Picture By Picture)
   - Turns on the PBP of the selected display and changes the size to Double 3.

✱ **The Input source of MagicInfo works only on MagicInfo model.**

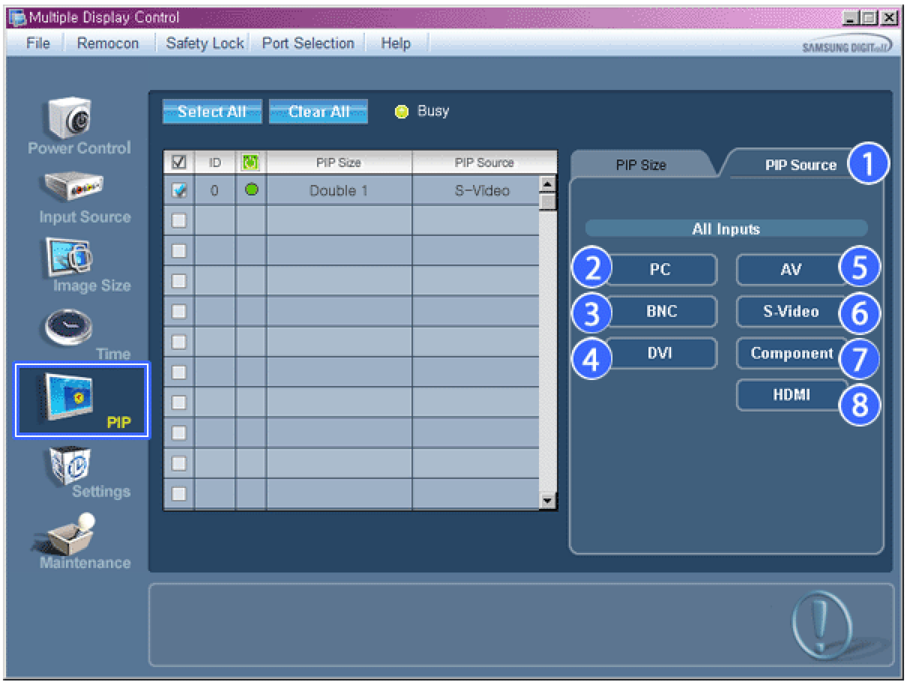
✱ **The Input source of TV works only on TV model.**

✱ **PIP Size can be controlled with turning on the PDP Display power.**

PIP

PIP Source

1. Click PIP of the main icons and the PIP control screen appears.



☑	ID		PIP Size	PIP Source
☑	0	●	Double 1	S-Video

✱ Info Grid shows some basic information necessary to PIP Source Control.

1) PIP Source
- PIP Source can be controlled with turning on the PDP Display power.

2) PC
- Changes the source of the PIP of the selected display to PC.

3) BNC
- Changes the source of the PIP of the selected display to BNC.

4) DVI
- Changes the source of the PIP of the selected display to DVI.

5) AV
- Changes the source of the PIP of the selected display to AV.

6) S-Video
- Changes the source of the PIP of the selected display to S-Video.

7) Component
- Changes the source of the PIP of the selected display to Component.

8) HDMI
- Changes the source of the PIP of the selected display to HDMI.

Note: Some of the PIP Sources may not be available for selection, depending on the input source type of the Main Screen.

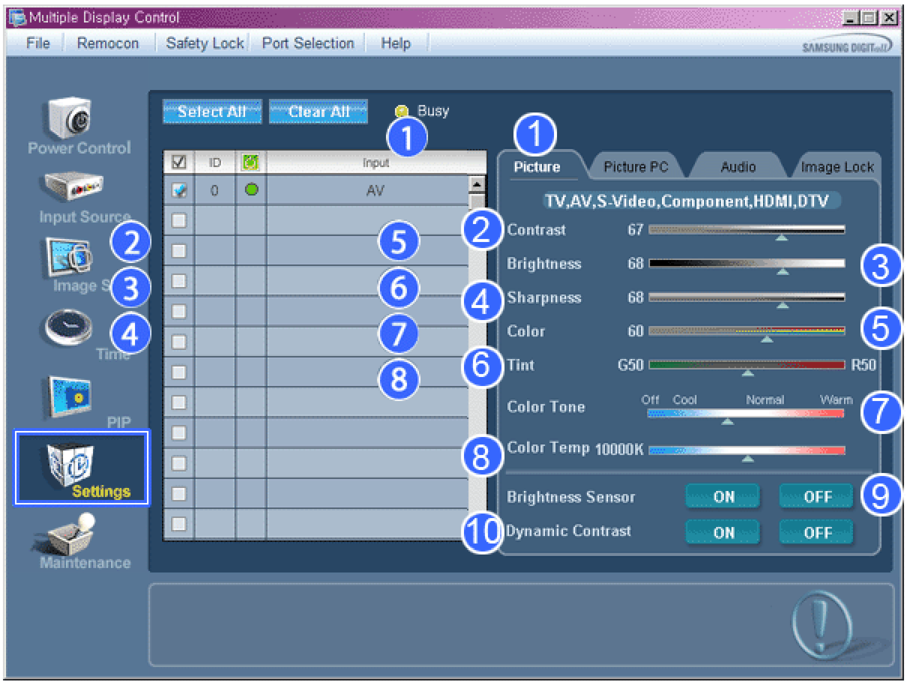
✱ **The Input source of MagicInfo works only on MagicInfo model.**

✱ **The PIP Control feature is available only for the displays whose power status is ON and the PIP function is set to ON.**

Settings

Picture

1. Click Settings of the main icons and the Settings Control screen appears.



- Info Grid shows some basic information necessary to Settings Control.
  When each function is selected, the set value of the selected function is displayed in the slide.When selected, each function fetches the value for the set and displays it on the slide bar. When "Select All" is chosen, the default value is displayed. Changing a value in this screen will automatically change the mode to "CUSTOM."

1) Picture
   - Available only for TV, AV, S-Video, Component, HDMI, DTV.

2) Contrast
   - Adjusts Contrast of the selected display.

3) Brightness
   - Adjusts Brightness of the selected display.

4) Sharpness
   - Adjusts Sharpness of the selected display.

5) Color
   - Adjusts Color of the selected display.

6) Tint
   - Adjusts Tint of the selected display.
   - Available only for NT.

7) Color Tone
   - Adjusts the Color Tone for the selected display.

8) Color Temp
   - Adjusts the Color Temp for the selected display.

9) Brightness Sensor
   - Adjusts the Brightness Sensor for the selected display.

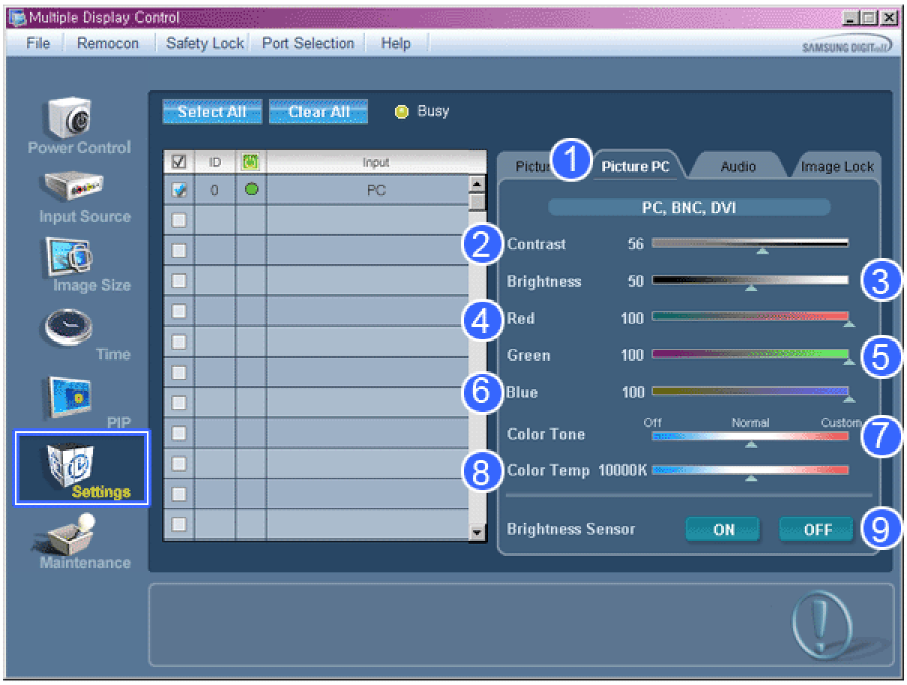
10) Dynamic Contrast
   - Adjusts the Dynamic Contrast for the selected display.

- **The Input source of MagicInfo works only on MagicInfo model.**
- **Color Temp is only enabled if the Color Tone is set to Off.**
- **The Input source of TV works only on TV model.**
- **This feature is available only for the displays whose power status is ON and if no selection is made, the factory default is displayed.**

Settings

Picture PC

1. Click Settings of the main icons and the Settings Control screen appears.



☑ 0 ● PC

Contrast 56

Brightness 50

Red 100

Green 100

Blue 100

Color Tone

Color Temp 10000K

✱ Info Grid shows some basic information necessary to Settings Control. When each function is selected, the set value of the selected function is displayed in the slide. When selected, each function fetches the value for the set and displays it on the slide bar. When "Select All" is chosen, the default value is displayed. Changing a value in this screen will automatically change the mode to "CUSTOM."

1) Picture PC
   - Available only for PC, BNC, DVI.

2) Contrast
   - Adjusts Contrast of the selected display.

3) Brightness
   - Adjusts Brightness for the selected display.

4) Red
   - Adjusts red Color of the selected display.
   - Available only for NT.

5) Green
   - Adjusts green Color of the selected display.
   - Available only for NT.

6) Blue
   - Adjusts blue Color of the selected display.
   - Available only for NT.

7) Color Tone
   - Adjusts the Color Tone for the selected display.

8) Color Temp
   - Adjusts the Color Temp for the selected display.

9) Brightness Sensor
   - Adjusts the Brightness Sensor for the selected display.

✱ **The Input source of MagicInfo works only on MagicInfo model.**

✱ **The Input source of TV works only on TV model.**

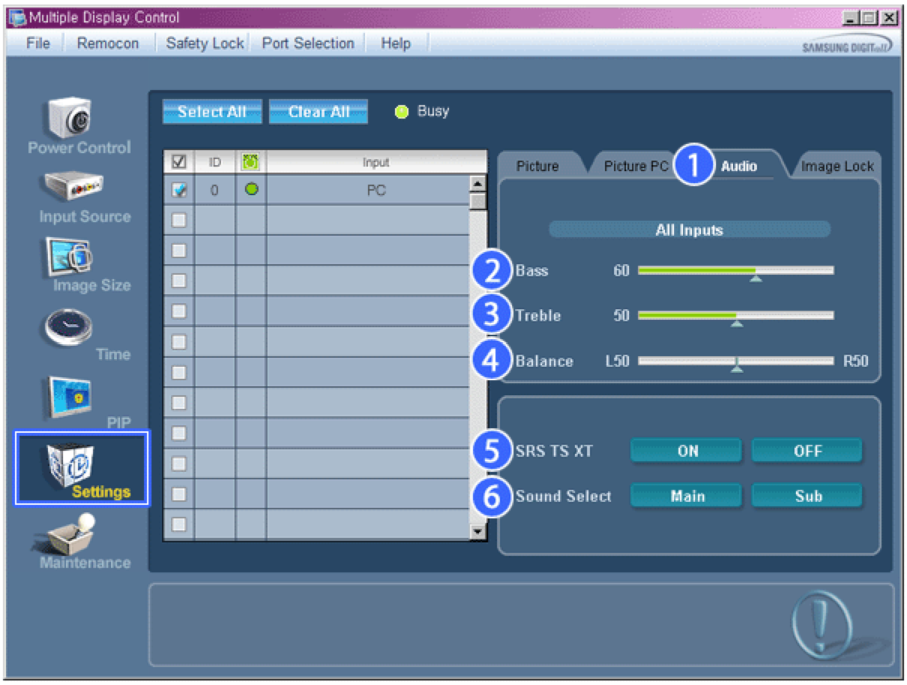
✱ **Color Temp is only enabled if the Color Tone is set to Off.**

✱ **This feature is available only for the displays whose power status is ON and if no selection is made, the factory default is displayed.**

Settings

Audio

1. Click Settings of the main icons and the Settings Control screen appears.



✱ Info Grid shows some basic information necessary to Settings Control. When each function is selected, the set value of the selected function is displayed in the slide. When selected, each function fetches the value for the set and displays it on the slide bar. When "Select All" is chosen, the default value is displayed. Changing a value in this screen will automatically change the mode to "CUSTOM."

1) Audio

- Controls audio settings for all input sources.

2) Bass

- Adjusts Bass of the selected display.

3) Treble

- Adjusts Treble of the selected display.

4) Balance

- Adjusts Balance of the selected display.

5) SRS TS XT

- SRS TS XT Sound ON/OFF of the selected display.

6) Sound Select

- Select either Main or Sub when PIP is On.

✱ The Input source of MagicInfo works only on MagicInfo model.

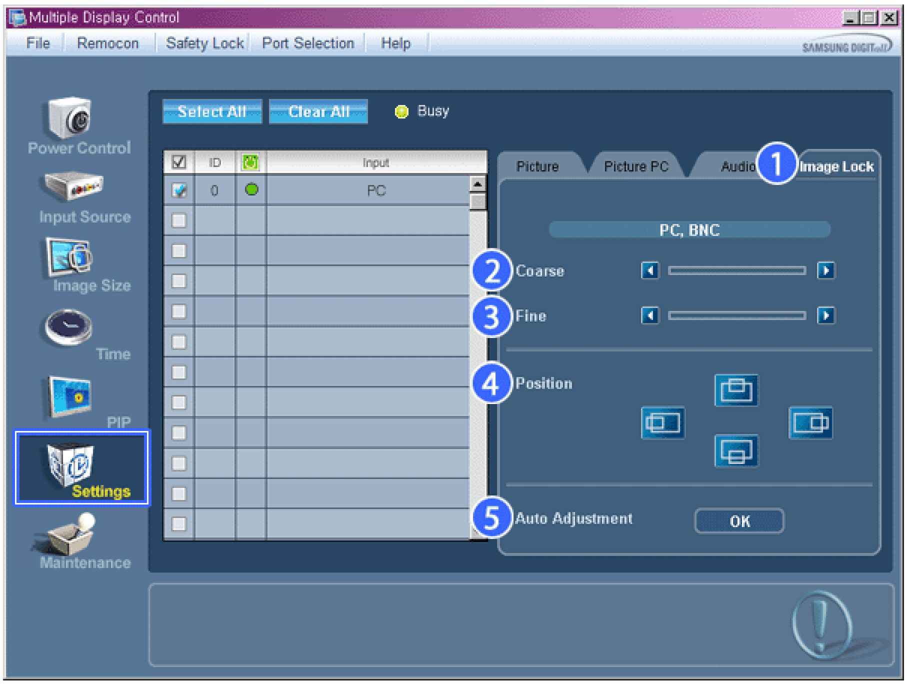
✱ The Input source of TV works only on TV model.

✱ This feature is available only for the displays whose power status is ON and if no selection is made, the factory default is displayed.

Settings

Image Lock

1. Click Settings of the main icons and the Settings Control screen appears.



✱ Info Grid shows some basic information necessary to Settings Control.

1) Image Lock
   - Available only for PC, BNC.
2) Coarse
   - Adjusts Coarse of the selected display.
3) Fine
   - Adjusts Fine of the selected display.
4) Position
   - Adjusts Position of the selected display.
5) Auto Adjustment
   - Self-Adjust to the incoming PC signal.

✱ The Input source of MagicInfo works only on MagicInfo model.

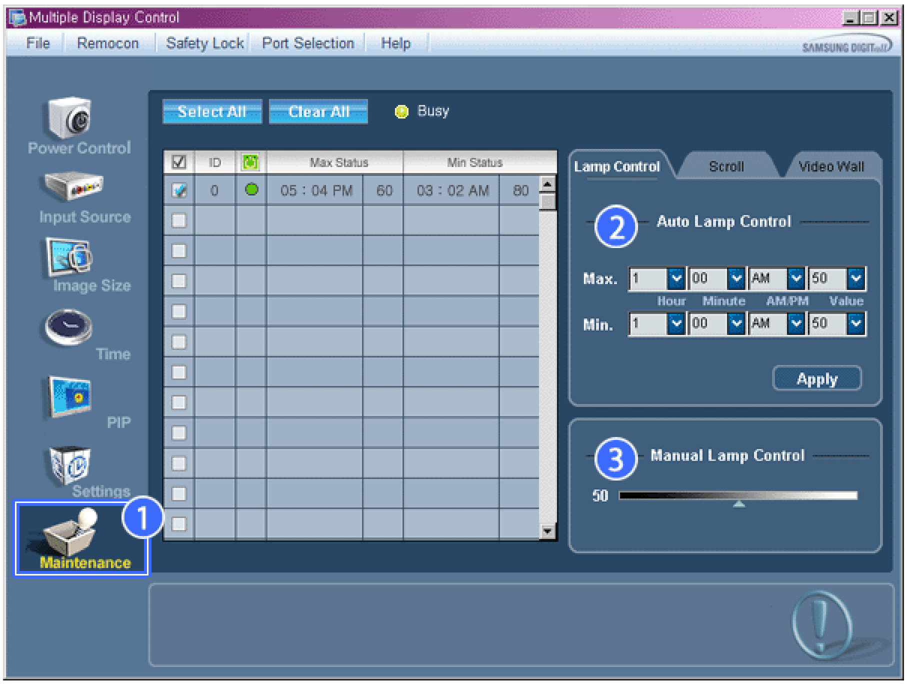
✱ The Input source of TV works only on TV model.

✱ Settings Control is available only for the displays for which the power status is ON.

Maintenance

Lamp Control

1. Click on the "Maintenance" icon in the Main Icon column to display the Maintenance screen.



✱ An "Info Grid" showing several basic data items appears.

1) Maintenance

- Allows the Maintenance Control function for all input sources.

2) Auto Lamp Control

- Automatically adjusts the backlight of the selected display at a specified time.
  The Manual Lamp Control automatically turns off if you adjust using the Auto Lamp Control.

3) Manual Lamp Control

- Allows you to adjust the backlight of the selected display regardless of the time.
  The Auto Lamp Control automatically turns off if you adjust using the Manual Lamp Control.

✱ **The Maintenance Control feature is available only for the displays whose power status is ON.**

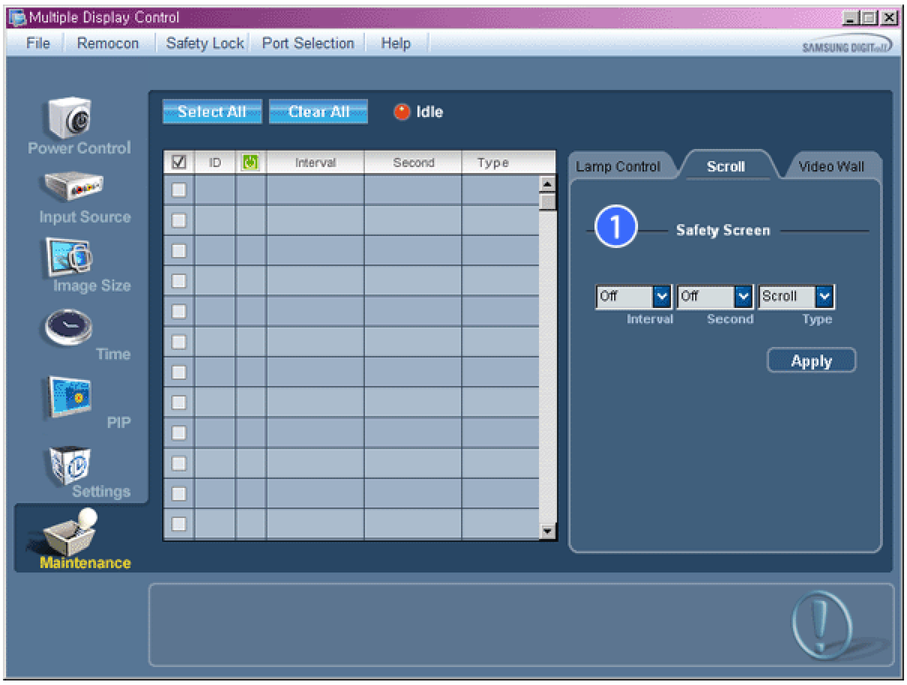
✱ **The Input source of MagicInfo works only on MagicInfo model.**

✱ **The Input source of TV works only on TV model.**

Maintenance

Scroll

1. Click on the "Maintenance" icon in the Main Icon column to display the Maintenance screen.



Interval: Off
Second: Off
Type: Scroll

1) Safety Screen

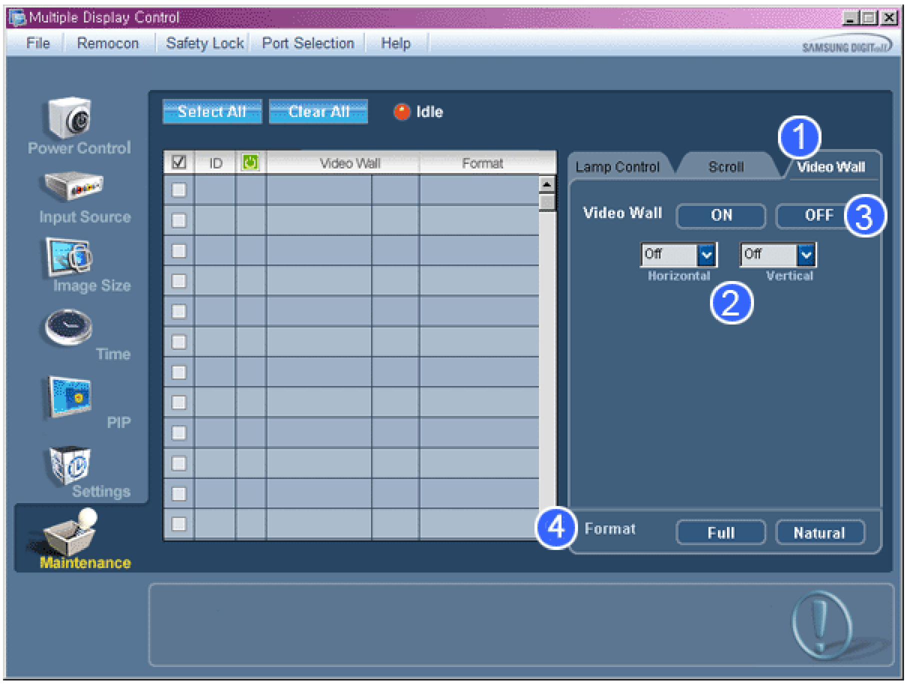
- Eliminates the afterimages that can result when the selected display stays in Pause mode for an extended period of time. You can set the repeat cycle timer by selecting the "Interval" by hour and "Second" by second.
  It can be set to Scroll, Pixel, Bar and Eraser by Screen Type.

* **The Input source of MagicInfo works only on MagicInfo model.**
* **The Input source of TV works only on TV model.**
* **Setting Second, you can set to 1, 2, 3, 4, 5 for Scroll Type and to 10, 20, 30, 40, 50 for Pixel, Bar, and Eraser Type.**
* **The Maintenance Control feature is available only for the displays whose power status is ON.**

Maintenance

Video Wall

1. Click on the "Maintenance" icon in the Main Icon column to display the Maintenance screen.



1) Video Wall

- A Video Wall is a set of video screens that are connected together, so that each screen shows a part of the whole picture or so that the same picture is repeated on each screen.

2) Video Wall (Screen divider)

- The screen can be divided into.
  You can select a number of screens with a different layout when dividing.
  - Select a mode from Screen divider.
  - Select a display from Display Selection.
  - The place will be set up by pressing a number in the selected mode.
  - The MDC program supplied by Samsung supports up to 5x5 PDP Displayes.

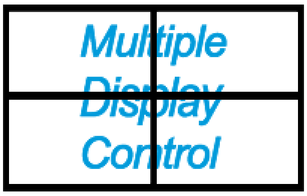
3) On / Off

- Turns on/off the Video Wall function of the selected display.

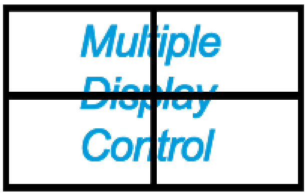
4) Format

- The format can be selected to see a divided screen.

- Full



- Natural



✱ You may not operate this function in MagicInfo.
✱ The Input source of TV works only on TV model.
✱ The Maintenance Control function is available only for the displays where the power status is ON.

Troubleshooting

1. The display you wish to control does not appear on the Power Control Info Grid
   - Check the connection of RS232C. (Check if it is properly connected to the Com1 port)

- Check the displays to see if any of the other displays connected have the same ID. If more than one displays have the same ID, those displays are not properly detected by the program due to data conflict.
- Check if the Display Set ID is a number between 0 and **25**. (Adjust using the Display menu)

Note : A Display Set ID must be a value between 0 and **25** .

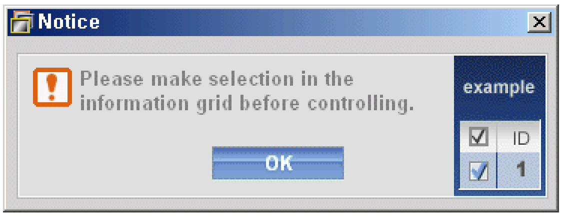
2. The display you wish to control does not appear on the other Control Info Grids
   - Check to see if the display power is ON. (You can check this in Power Control Info Grid)
   - Check if you can change the input source of the display.

3. The dialogue box appears repeatedly.
   - Check to see if the display you wish to control is selected. ☑

4. Both On Timer and Off Timer have been set but different time is showing.
   - Apply current time to synchronize the display clocks.

5. The remote may not function properly when you turn off the remote Function, disconnect the RS-232C cable, or exit the program in an Irregular manner. Rerun the program and turn the remote function again to Restore normal functions.

   <Note> This program may malfunction due to problems in communication circuits or interference from electronic appliances nearby.



Please make selection in the information grid before controlling.

Settings Value Display In Multiple Display Mode

* When there are more than one displays connected, the settings values are displayed as follows.

1. No selection: Displays the Factory Default Value.
2. Selected one display: Fetches and displays the settings value for the selected display.
3. Selected one display (ID1) and add another display (ID3): The program, which was displaying the settings value of ID 1, fetches and displays the value of ID3.
4. Selected all sets using Select All: Returns to the Factory Default Value.

Adjusting the PDP Display

Input

Available Modes

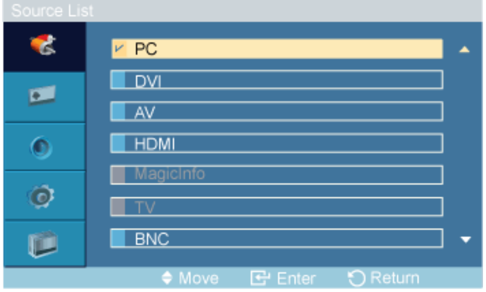
- P **PC / BNC / DVI**
- A **AV**
- H **HDMI**
- M **MagicInfo**
- T **TV**
- C **Component**

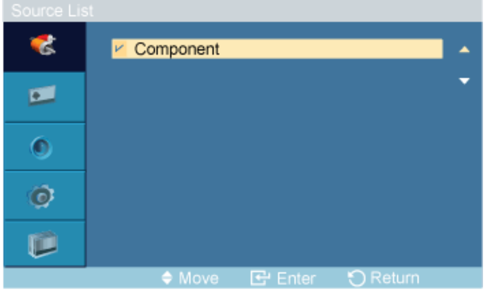
Note

- The **TV** menu is available when a TV tuner box is installed.
- The **MagicInfo** menu is available when a network box is installed.

Source List PAHMTC

MENU → ENTER → [**Input**] → ENTER → [**Source List**] → ▲ , ▼ → ENTER





Use to select **PC**, **DVI** or other external input sources connected to the PDP Display. Use to select the screen of your choice.

1. **PC**
2. **DVI**
3. **AV**
4. **HDMI**

This is deactivated when a TV tuner box is installed.

5. **MagicInfo**

   This is activated when a network box is installed.

6. **TV**

   This is activated when a TV tuner box is installed.

7. **BNC**

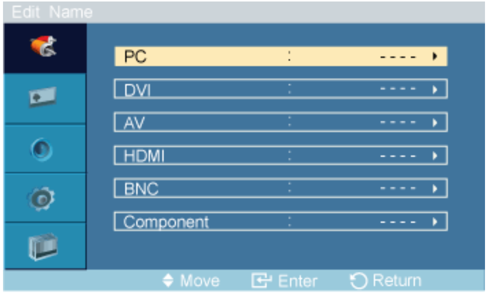
8. **Component**

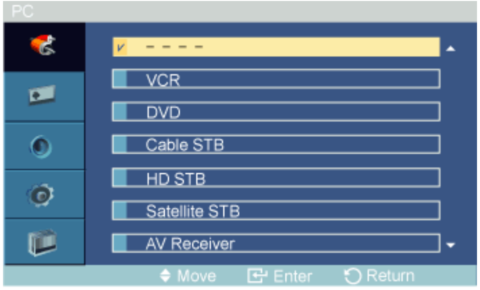
Note

- The direct button on the remote control is the 'SOURCE' button.

Edit Name PAHTC

MENU → ENTER → [**Input**] → ▼ → ENTER → [**Edit Name**] → ▲ , ▼ → ENTER





Name the input device connected to the input jacks to make your input source selection easier.

VCR / **DVD** / **Cable STB** / **HD STB** / **Satellite STB** / **AV Receiver** / **DVD Receiver** / **Game** / **Camcorder** / **DVD Combo** / **DHR** / **PC**

Note

- When connecting a PC to the HDMI or DVI terminal, set **Edit Name** to PC.
- In other cases, set **Edit Name** to AV.
- However, since 640x480, 720P (1280x720), and 1080p (1920x1080) are common signals for AV and PC, make sure to set the **Edit Name** in accordance with the input signal.
- The **Picture** menu changes depending on the input signal and **Edit Name**.

Picture [PC / BNC / DVI / HDMI / MagicInfo Mode]

Available Modes

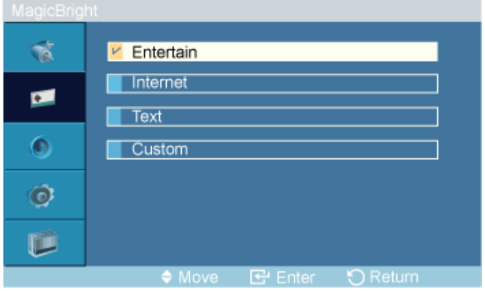
- P **PC / BNC / DVI / HDMI**
- A **AV**
- M **MagicInfo**
- T **TV**
- C **Component**

Note

- The **TV** menu is available when a TV tuner box is installed.
- The **MagicInfo** menu is available when a network box is installed.

MagicBright PM

MENU → ▼ → ENTER → [**Picture**] → ENTER → [**MagicBright**] → ▲ , ▼ → ENTER



MagicBright is a feature providing the optimum viewing environment depending on the contents of the image you are watching. Currently four different modes are available: **Entertain**, **Internet**, **Text** and **Custom**. Each mode has its own pre-configured brightness value. You can easily select one of the four settings by simply pressing the **MagicBright** control button.

1. **Entertain**

   High brightness

   For documents or works involving heavy text.

2. **Internet**

   Medium brightness

   For working with a mixture of images such as texts and graphics.

3. **Text**

   Normal brightness

   For documents or works involving heavy text.

4. **Custom**

Although the values are carefully chosen by our engineers, the pre-configured values may not be comfortable to your eyes depending on your taste.

If this is the case, adjust the brightness and contrast by using the OSD menu.

Custom PM

By using the on-screen menus, the contrast and brightness can be changed to your personal preference.

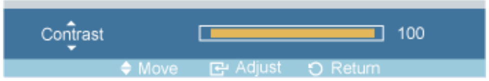
MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**]

Note

By adjusting the **picture** using the **Custom** function, **MagicBright** will change to **Custom** mode.

Contrast

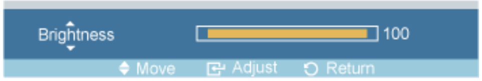
MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**] → ENTER→ [**Contrast**] → ◄, ► → ENTER



Adjusts the Contrast.

Brightness

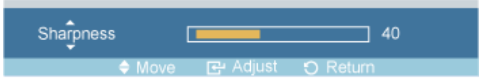
MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**] → ▼ → ENTER→ [**Brightness**] → ◄, ► → ENTER



Adjusts the Brightness.

Sharpness

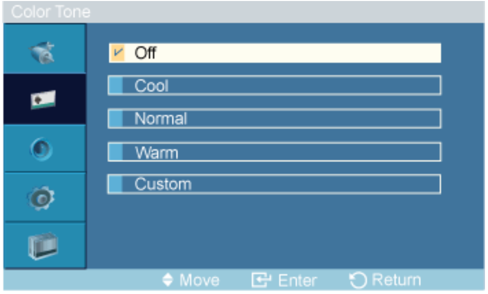
MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**] → ▼ → ▼ → ENTER → [**Sharpness**] → ◄, ► → ENTER



Adjusts the Sharpness.

Color Tone PM

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →ENTER → [**Color Tone**] → ▲ , ▼ → ENTER



The color tones can be changed.

1. **Off**
2. **Cool**
3. **Normal**
4. **Warm**
5. **Custom**

Note

If you set the **Color Tone** to **Cool**, **Normal**, **Warm**, or **Custom**, the **Color Temp** function is disabled.

If you set the **Color Tone** to **Off**, the **Color Control** function is disabled

Color Control PM

Adjusts individual Red, Green, Blue color balance.

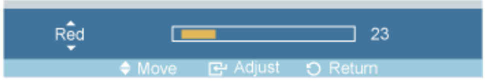
MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼→ ENTER → [**Color Control**]

Note

If you adjust the picture by using the **Color Control** function, **Color Tone** will turn to the **Custom** mode.

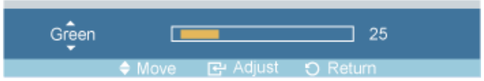
Red

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼ → ENTER → [**Color Control**] → ENTER → [**Red**] → ◄, ► → ENTER


Red 23

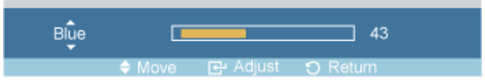
Green

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼ → ENTER → [**Color Control**] → ▼ → ENTER→ [**Green**] → ◄, ► → ENTER


Green 25

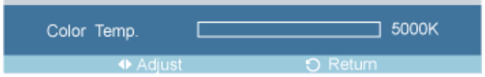
Blue

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼ → ENTER → [**Color Control**] → ▼ → ▼ → ENTER → [**Blue**] → ◄, ► → ENTER


Blue 43

Color Temp PM

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼ → ENTER → [**Color Temp**] → ◄, ► → ENTER


Color Temp. 5000K

Color Temp is a measure of the 'warmth' of the image colors.

Note

This function is only enabled if the **Color Tone** is set to **Off**.

Image Lock P

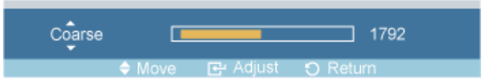
Image Lock is used to fine-tune and get the best image by removing noise that creates unstable images with jitters and shakiness. If satisfactory results are not obtained using the Fine adjustment, use the Coarse adjustment and then use Fine again.

(Available in **PC** mode only)

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼ →▼ → ENTER → [**Image Lock**]

Coarse

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼ →▼ → ENTER → [**Image Lock**] → ENTER → [**Coarse**] → ◄, ► → ENTER

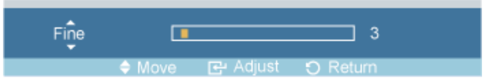


Coarse 1792

Removes noise such as vertical stripes. Coarse adjustment may move the screen image area. You may relocate it to the center using the horizontal control menu.

Fine

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼ →▼ → ENTER → [**Image Lock**] → ▼ → ENTER → [**Fine**] → ◄, ► → ENTER

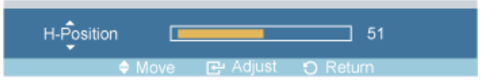


Fine 3

Removes noise such as horizontal stripes. If the noise persists even after Fine tuning, repeat it after adjusting the frequency (clock speed).

H-Position

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼ →▼ → ENTER → [**Image Lock**] → ▼ → ▼ → ENTER → [**H-Position**] → ◄, ► → ENTER

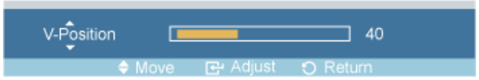


H-Position 51

Adjusts the screen location horizontally.

V-Position

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ →▼ →▼ → ENTER → [**Image Lock**] → ▼ → ▼ → ▼ → ENTER → [**V-Position**] → ◄, ► → ENTER

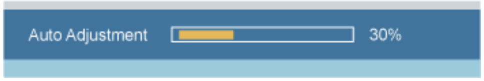


V-Position 40

Adjusts the screen location vertically.

Auto Adjustment P

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼ → ENTER → [**Auto Adjustment**]



The values of **Fine**, **Coarse**, **Position** are adjusted automatically. By changing the resolution in the control panel, the auto function is performed.

(Available in **PC** mode only)

Note

The direct button on the remote control is the 'AUTO' button.

Signal Balance P

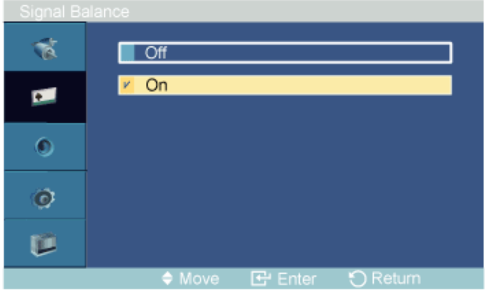
This is used to make up for the weak RGB signal transmitted by a long signal cable.

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼ →▼ → ENTER → [**Signal Balance**]

(Available in **PC** mode only)

Signal Balance

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼ →▼ → ENTER → [**Signal Balance**] → ENTER → [**Signal Balance**] → ▲ , ▼ → ENTER



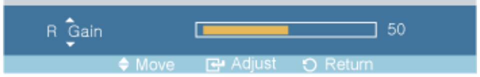
Selects either **On** or **Off** with the signal control.

Signal Control

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼→ ▼→ ENTER → [**Signal Balance**] → ▼→ ENTER → [**Signal Control**]

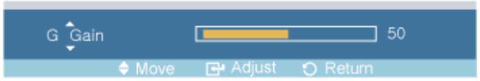
1. **R-Gain**

   MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼→ ▼→ ENTER → [**Signal Balance**] → ▼→ ENTER → [**Signal Control**] → ENTER → [**R-Gain**] → ◄, ► → ENTER



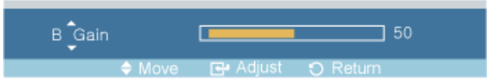
2. **G-Gain**

   MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼→ ▼→ ENTER → [**Signal Balance**] → ▼→ ENTER → [**Signal Control**] → ▼ → ENTER → [**G-Gain**] → ◄, ► → ENTER



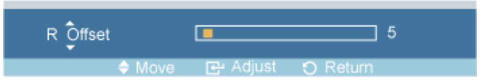
3. **B-Gain**

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼→ ▼→ ENTER → [**Signal Balance**] → ▼→ ENTER → [**Signal Control**] → ▼ → ▼ → ENTER → [**B-Gain**] → ◄, ► → ENTER



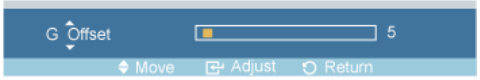
4. **R-Offset**

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼→ ▼→ ENTER → [**Signal Balance**] → ▼→ ENTER → [**Signal Control**] → ▼→ ▼ → ▼ → ENTER → [**R-Offset**] → ◄, ► → ENTER



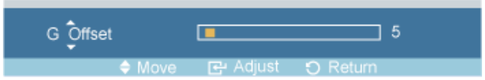
5. **G-Offset**

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼→ ▼→ ENTER → [**Signal Balance**] → ▼ → ENTER → [**Signal Control**] → ▼ → ▼ → ▼ → ▼ → ENTER → [**G-Offset**] → ◄, ► → ENTER



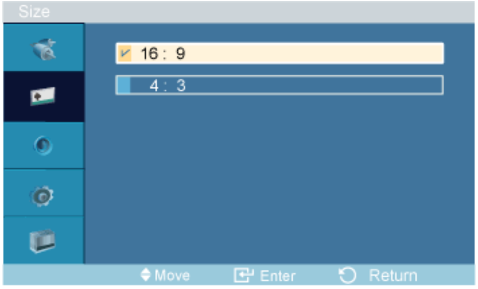
6. **B-Offset**

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼→ ▼→ ENTER → [**Signal Balance**] → ▼ → ENTER → [**Signal Control**] → ▼ → ▼ → ▼ → ▼ → ▼ → ENTER → [**B-Offset**] → ◄, ► → ENTER



Size P

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼→ ▼→ ▼→ ENTER → [**Size**] → ▲ , ▼ → ENTER



The **Size** can be switched.

1. **16:9**
2. **4:3**

Picture [AV / HDMI / DVI / TV / Component Mode]

Available Modes

- P **PC / BNC**

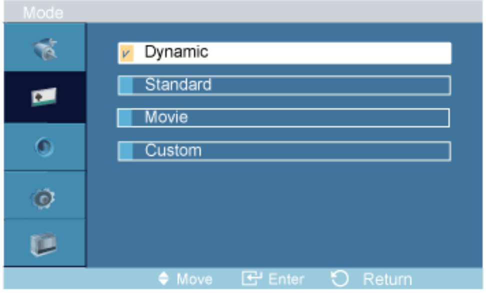
- A **AV**
- H **HDMI / DVI**
- M **MagicInfo**
- T **TV**
- C **Component**

Note

- The **TV** menu is available when a TV tuner box is installed.
- The **MagicInfo** menu is available when a network box is installed.

Mode A H T C

MENU → ▼ → ENTER → [**Picture**] → ENTER → [**Mode**] → ▲ , ▼ → ENTER



The PDP Display has four automatic picture settings ("**Dynamic**", "**Standard**", "**Movie**" and "**Custom**") that are preset at the factory.

Dynamic, **Standard**, **Movie**, or **Custom** can be activated.

1. **Dynamic**
2. **Standard**
3. **Movie**
4. **Custom**

Note

The direct button on the remote control is the 'P.MODE' button.

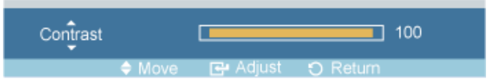
Custom A H T C

By using the on-screen menus, the contrast and brightness can be changed to your personal preference.

MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**]

Contrast

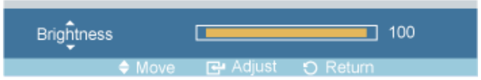
MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**] → ENTER→ [**Contrast**] → ◀, ▶ → ENTER


Contrast 100

Adjusts the Contrast.

Brightness

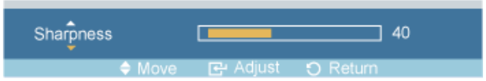
MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**] → ▼ → ENTER→ [**Brightness**] → ◄, ► → ENTER



Adjusts the Brightness.

Sharpness

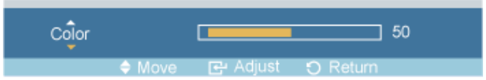
MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**] → ▼ → ▼ → ENTER→ [**Sharpness**] → ◄, ► → ENTER



Adjusts the picture Sharpness.

Color

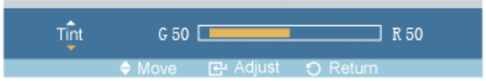
MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**] → ▼ → ▼ → ▼ → ENTER→ [**Color**] → ◄, ► → ENTER



Adjusts the picture Color.

Tint

MENU → ▼ → ENTER → [**Picture**] → ▼ → ENTER → [**Custom**] → ▼ → ▼ → ▼→ ▼ → ENTER → [**Tint**] → ◄, ► → ENTER



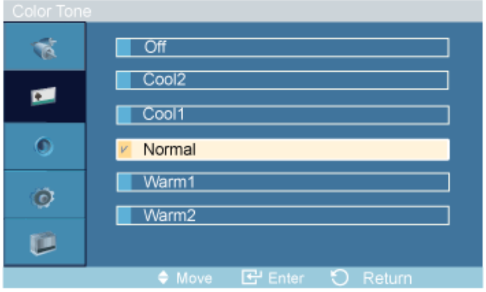
Adds a natural tone to the display.

Note

Tint function can be available just in NTSC system.

Color Tone AHTC

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ENTER → [**Color Tone**] → ▲ , ▼ → ENTER



The color tones can be changed. The individual Color components are also user adjustable.

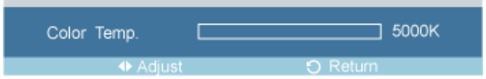
1. **Off**
2. **Cool2**
3. **Cool1**
4. **Normal**
5. **Warm1**
6. **Warm2**

Note

If you set the **Color Tone** to **Cool2**, **Cool1**, **Normal**, **Warm1**, or **Warm2**, the **Color Temp** function is disabled.

Color Temp. AHTC

MENU → ▼ → ENTER → [**Picture**] → ▼ →▼ →▼ → ENTER → [**Color Temp.**] → ◄, ► → ENTER


Color Temp. 5000K

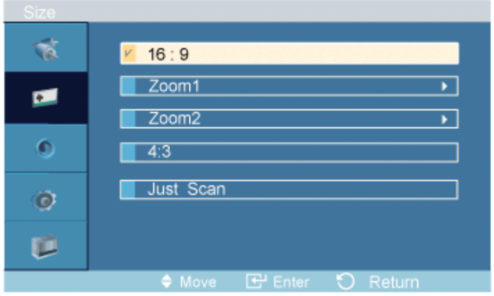
Color temp is a measure of the 'warmth' of the image colors.

Note

This function is only enabled if the **Color Tone** is set to **Off**.

Size AHC

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ → ENTER → [**Size**] → ▲ , ▼ → ENTER



The **Size** can be switched.

1. **16:9 -** Sets the picture to 16:9 wide mode.
2. **Zoom 1** - Magnifies the size of the picture on the screen.
3. **Zoom 2** - Magnifies the size of the picture more than “**Zoom 1**”.
4. **4:3 -** Sets the picture to 4:3 normal mode.
5. **Just Scan -** Displays the input scenes as they are without any cutoff when HDMI 720p, 1080i, 1080p signals are input.

Note

Certain external devices may feed the display an out of spec signal that may cause cutoff even when using the **Just Scan** feature.

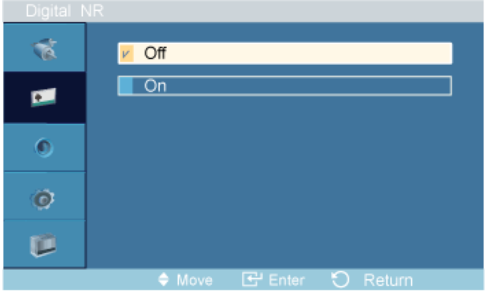
ZOOM1, **ZOOM2** will be unavailabel in **HDMI** mode.

Note

The **Position** and **Reset** functions are available when **Zoom1** or **Zoom2** is run.

Digital NR (Digital Noise Reduction) AHTC

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ →▼ →▼ → ENTER → [**Digital NR**] → ▲ , ▼ → ENTER

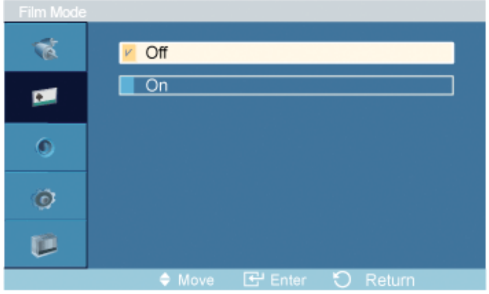


Turns the Digital Noise Reduction feature **Off**/**On**. The Digital Noise Reduction feature allows you to enjoy clearer and crisper images.

1. **Off**
2. **On**

Film Mode ATC

MENU → ▼ → ENTER → [**Picture**] → ▼ → ▼ → ▼ → ▼ → ▼ → ▼ → ENTER → [**Film Mode**] → ▲ , ▼ → ENTER



Turns **Film Mode Off**/**On**.

The **Film Mode** feature offers you a theater-quality viewing experience.

(In **HDMI** mode, this function can be available when the input signal is interlaced scan; it cannot be available with progressive scan signal.)

1. **Off**
2. **On**

Sound

Available Modes

- P **PC / BNC / DVI**
- A **AV**

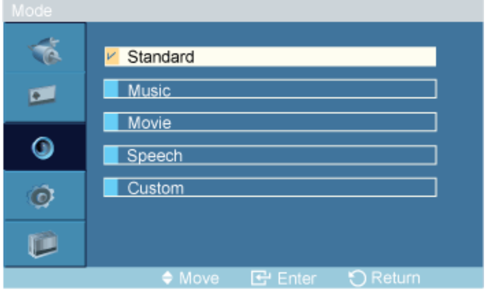
- H **HDMI**
- M **MagicInfo**
- T **TV**
- C **Component**

Note

- The **TV** menu is available when a TV tuner box is installed.
- The **MagicInfo** menu is available when a network box is installed.

Mode PAHMTC

MENU → ▼ →▼ → ENTER → [**Sound**] → ENTER → [**Mode**] → ▲ , ▼ → ENTER



The PDP Display has a built-in high fidelity stereo amplifier.

1. **Standard**

   Selects **Standard** for the standard factory settings.

2. **Music**

   Selects **Music** when watching music videos or concerts.

3. **Movie**

   Selects **Movie** when viewing movies.

4. **Speech**

   Selects **Speech** when watching a show that is mostly dialogue (i.e., news).

5. **Custom**

   Selects **Custom** if you want to adjust the settings according to your personal preferences.

Custom PAHMTC

The sound settings can be adjusted to suit your personal preferences.

MENU → ▼ →▼ → ENTER → [**Sound**] →▼→ ENTER → [**Custom**]

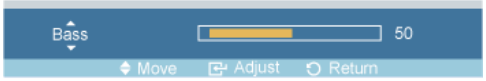
Note

- You can hear the sound even when sound value is set to 0.

- If you adjust sound using **Custom** function, **Mode** will turn to **Custom** mode.

Bass

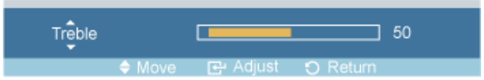
MENU → ▼ →▼ → ENTER → [**Sound**] →▼→ ENTER → [**Custom**]→ENTER→ [**Bass**] → ◄, ► → ENTER



Emphasizes low frequency audio.

Treble

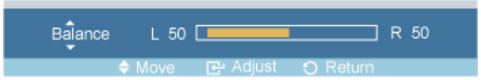
MENU → ▼ →▼ → ENTER → [**Sound**] →▼→ ENTER → [**Custom**]→▼→ENTER→ [**Treble**] → ◄, ► → ENTER



Emphasizes high frequency audio.

Balance

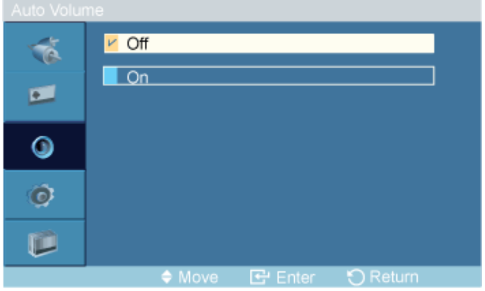
MENU → ▼ →▼ → ENTER → [**Sound**] →▼→ ENTER → [**Custom**]→▼→▼→ENTER→ [**Balance**] → ◄, ► → ENTER



Allows you to Adjusts the sound balance between the left and right speakers.

Auto Volume P A H M T C

MENU → ▼ →▼ → ENTER → [**Sound**] →▼→▼→ ENTER → [**Auto Volume**] → ▲ , ▼ → ENTER

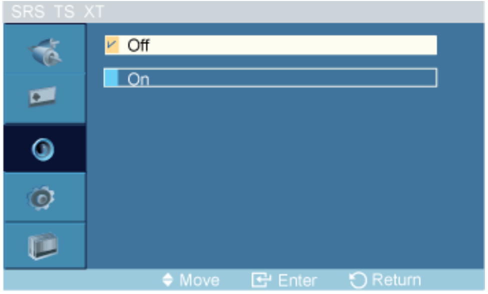


Reduces the difference in volume control between broadcasters.

1. **Off**
2. **On**

SRS TS XT P A H M T C

MENU → ▼ →▼ → ENTER → [**Sound**] →▼→▼→▼→ ENTER → [**SRS TS XT**] → ▲ , ▼ → ENTER



SRS TS XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

1. **Off**
2. **On**

Note

The direct button on the remote control is the 'SRS' button.

Setup

Available Modes

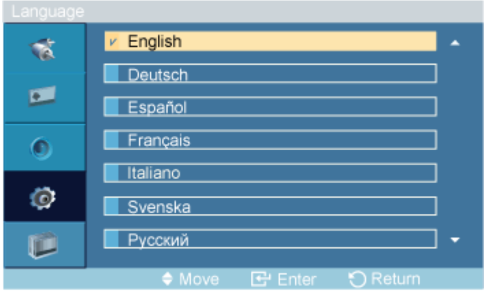
- **P PC / BNC / DVI**
- **A AV**
- **H HDMI**
- **M MagicInfo**
- **T TV**
- **C Component**

Note

- The **TV** menu is available when a TV tuner box is installed.
- The **MagicInfo** menu is available when a network box is installed.

Language P A H M T C

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ENTER → [**Language**] → ▲ , ▼ → ENTER



You can choose one of 11 languages.

English,Deutsch,Español,Français,Italiano,Svenska,Русский
Português, 中国语, 日本語,한국어

Note

The language chosen affects only the language of the OSD. It has no effect on any software running on the computer.

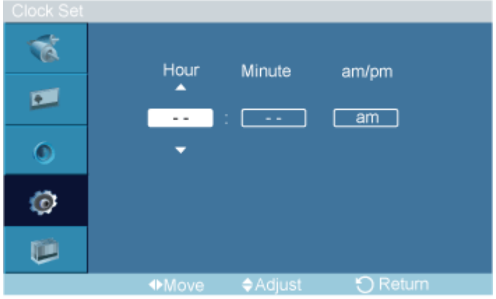
Time PAHMTC

Selects from one of 4 time settings, **Clock Set**, **Sleep Timer**, **On Timer**, and **Off Timer**.

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼ → ENTER → [**Time**]

Clock Set

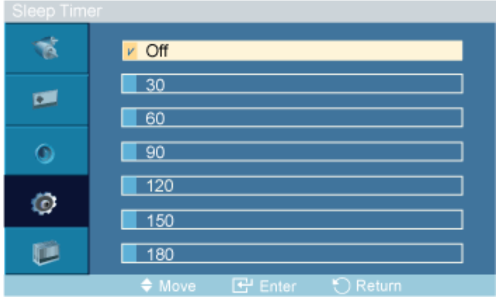
MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼ → ENTER → [**Time**] → ENTER→ [**Clock Set**] → ▲ , ▼ → ◀, ▶ → ENTER



Current Time Setting.

Sleep Timer

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼ → ENTER → [**Time**] → ▼ → ENTER→ [**Sleep Timer**] → ▲ , ▼ → ENTER



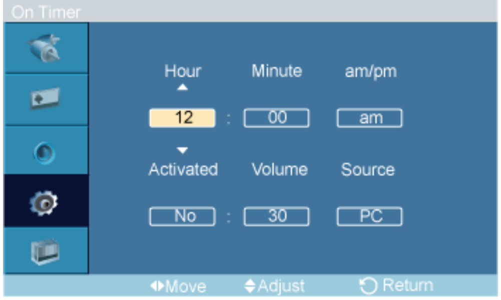
Turns the PDP Display off automatically at certain times.

1. **Off**
2. **30**
3. **60**
4. **90**
5. **120**
6. **150**

7. **180**

On Timer

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼ → ENTER → [**Time**] → ▼→ ▼ → ENTER→ [**On Timer**] → ▲ , ▼ / ◀, ▶ → ENTER



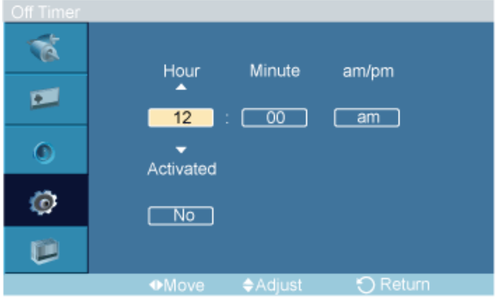
On Timer

Hour: 12
Minute: 00
am/pm: am
Activated: No
Volume: 30
Source: PC

Turns the PDP Display on automatically at a preset time. Controls the mode and the volume level at the time the PDP Display turns on automatically.

Off Timer

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼ → ENTER → [**Time**] → ▼→ ▼→ ▼ → ENTER → [**Off Timer**] → ▲ , ▼ / ◀, ▶ → ENTER



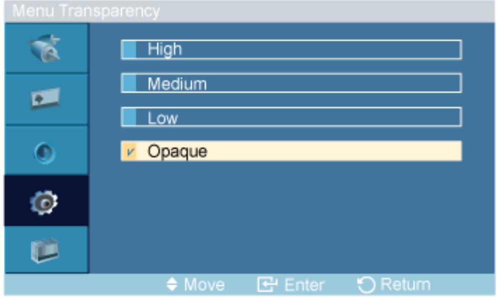
Off Timer

Hour: 12
Minute: 00
am/pm: am
Activated: No

Turns the PDP Display off automatically at a preset time.

Menu Transparency PAHMTC

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼ → ENTER → [**Menu Transparency**] → ▲ , ▼ → ENTER



Menu Transparency

Change the transparency of the background of the OSD.

1. **High**

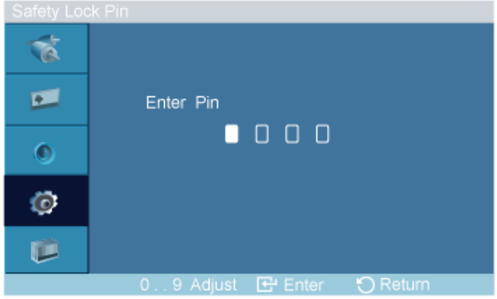
2. **Medium**

3. **Low**

4. **Opaque**

Safety Lock PIN PAHMTC

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼ → ENTER → [**Safety Lock PIN**] → [0□9] → [0□9] → [0□9] → [0□9]



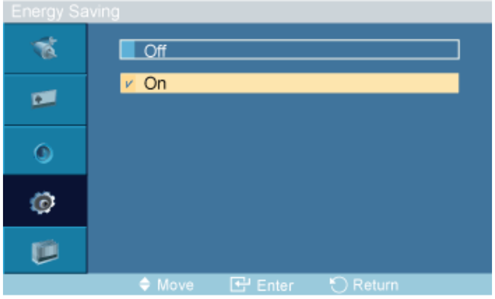
The password can be changed.

Note

The preset password for the PDP Display is "0000"

Energy Saving PAHMTC

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ENTER → [**Energy Saving**] → ▲ , ▼ → ENTER



This feature adjusts the power consumption of the unit in order to save energy.

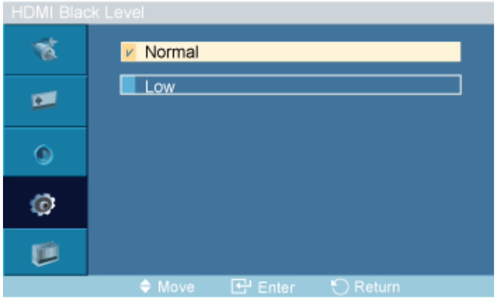
1. **Off**
2. **On**

Note

If you want to reduce the standby power consumption, set **Energy Saving** to **On**. However, when **Energy Saving** is **On**, you cannot use the remote Power On function of the MDC and the WOL (Wake On LAN) function of MagicInfo.

HDMI Black Level H

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ENTER → [**HDMI Black Level**] → ▲ , ▼ → ENTER



When a DVD or set-top box is connected to your TV via HDMI, it may cause a degradation in the screen quality, such as an increase in the black level, a low contrast, or discoloration, etc., depending on the external device connected. In this case, adjust the screen quality of your TV by configuring the **HDMI black level**.

1. **Normal**

2. **Low**

Video Wall PHTCA

A **Video Wall** is a set of video screens connected together, so that each screen shows a part of the whole picture or where the same picture is repeated on each screen.

When the **Video Wall** is on, you can adjust the **Video Wall** screen setting.

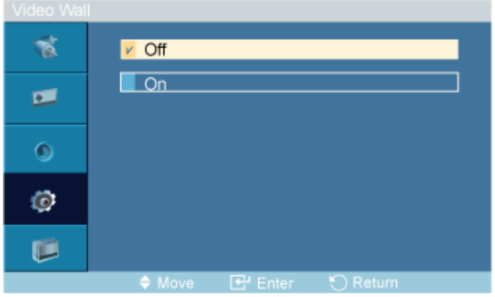
MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ENTER → [**Video Wall**]

Note

When **Video Wall** is running, the **Auto Adjustment**, **Image Lock**, and **Size** functions are not available. **Video Wall** does not operate in **MagicInfo** mode.

Video Wall

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ENTER → [**Video Wall**]→ ENTER → [**Video Wall**] → ▲ , ▼ → ENTER



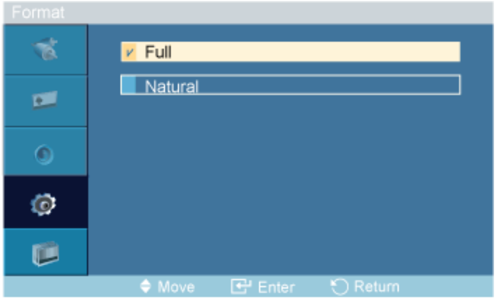
Turns Off/On the **Video Wall** function of the selected display Off/On.

1. **Off**

2. **On**

Format

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ENTER → [**Video Wall**]→ ▼ → ENTER → [**Format**] → ▲ , ▼ → ENTER



The **Format** can be selected to see a divided screen.

1. **Full**

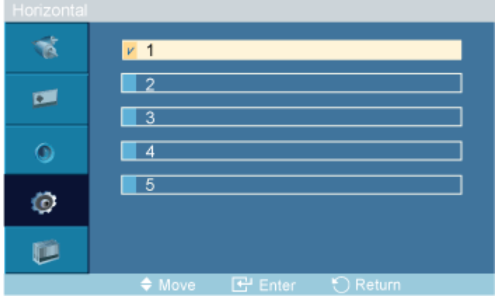
   Provides a full screen without any margins.

2. **Natural**

   Displays a natural image with the original aspect ratio intact.

Horizontal

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ENTER → [**Video Wall**]→ ▼ → ▼ → ENTER → [**Horizontal**] → ▲ , ▼ → ENTER

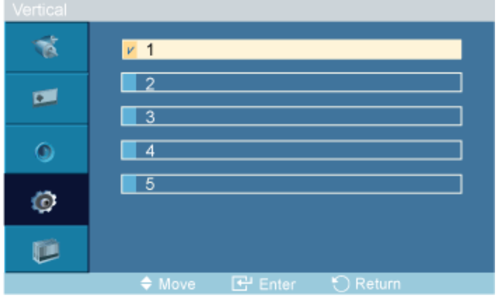


Sets how many parts the screen should be divided horizontally.

Five adjustment levels: 1, 2, 3, 4, and 5.

Vertical

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ENTER → [**Video Wall**]→ ▼ → ▼ → ▼ → ENTER → [**Vertical**] → ▲ , ▼ → ENTER

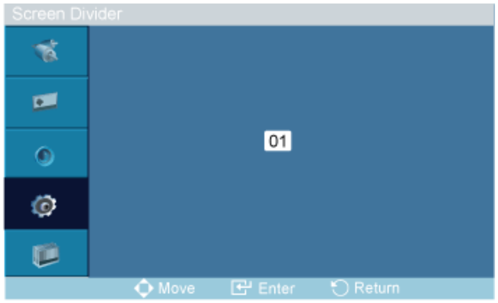


Sets how many parts the screen should be divided vertically.

Five adjustment levels: 1, 2, 3, 4, and 5.

Screen Divider

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ENTER → [**Video Wall**]→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Screen Divider**]



The screen can be divided into several images. A number of screens can be selected with a different layout when dividing.

- Select a mode in Screen Divider.
- Select a display in Display Selection.
- The selection will be set up by pressing a number in the selected mode.

Safety Screen PASCHMC

The **Safety Screen** function is used to prevent afterimages that may appear when a still picture is displayed on the screen over a long time.

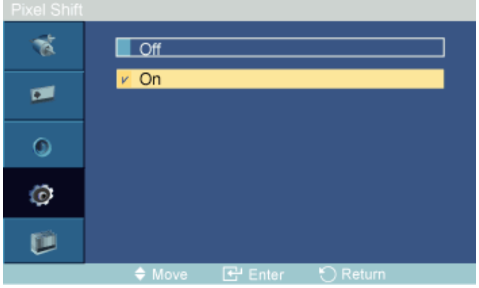
- The **Safety Screen** function scrolls the screen for the specified period of time.
- This function is not available when the power is turned off.

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**]

Pixel Shift

Pixel Shift

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ENTER → [**Pixel Shift**] → ENTER → [**Pixel Shift**] → ▲ , ▼ → ENTER



To prevent after-images on the screen you can use this function, so that every minute pixels on the PDP are moved in horizontal or vertical direction.

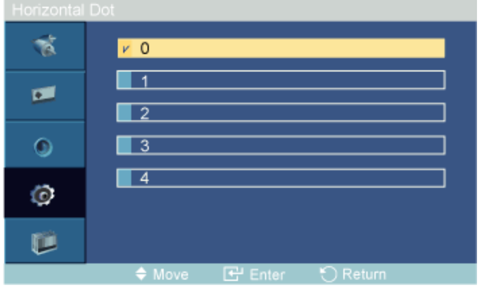
1. **Off**
2. **On**

Note

The **Pixel Shift** is not available when **Video Wall** is On.

Horizontal Dot

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ENTER → [**Pixel Shift**] → ▼ → ENTER → [**Horizontal Dot**] → ▲ , ▼ → ENTER

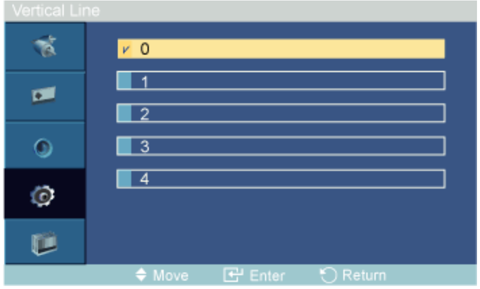


Sets how many pixels the screen moves horizontally.

Five adjustment levels: 0, 1, 2, 3 and 4.

Vertical Line

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ENTER → [**Pixel Shift**] → ▼ →▼ → ENTER → [**Vertical Line**] → ▲ , ▼ → ENTER

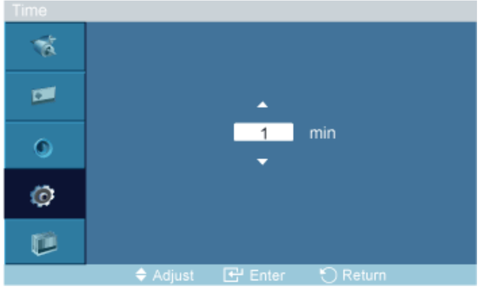


Sets how many pixels the screen moves vertically.

Five adjustment levels: 0, 1, 2, 3 and 4.

Time

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ENTER → [**Pixel Shift**] → ▼ →▼ →▼ → ENTER → [**Time**] → ▲ , ▼ → ENTER

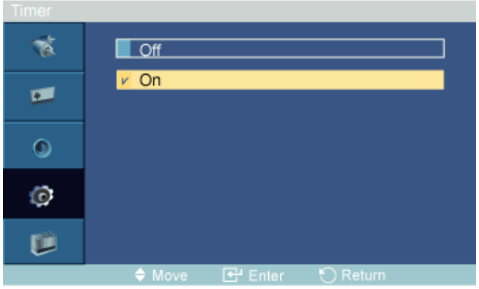


Set the time interval for performing the horizontal or vertical movement, respectively.

Timer

Timer

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ▼ → ENTER → [**Timer**] → ENTER → [**Timer**] → ▲ , ▼ → ENTER



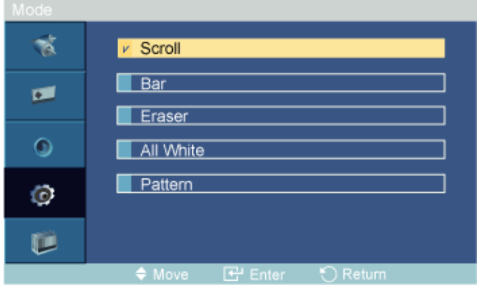
You can set the timer for Screen Burn Protection.

If you start the operation to erase any residual image, the operation will be performed for the set period of time and then automatically finish.

1. **Off**
2. **On**

Mode

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ▼ → ENTER → [**Timer**] → ▼ → ENTER → [**Mode**] → ▲ , ▼ → ENTER

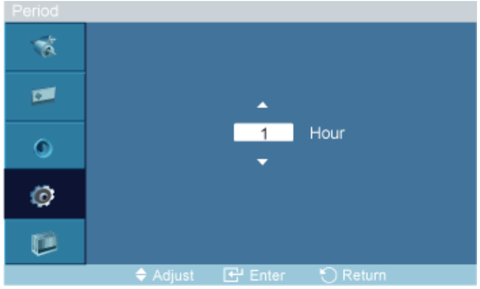


You can change the **Safety Screen** Type.

1. **Scroll**
2. **Bar**
3. **Eraser**
4. **All White**
5. **Pattern**

Period

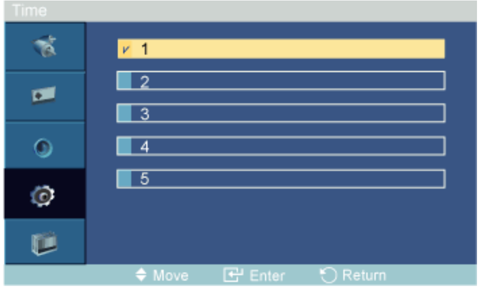
MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ▼ → ENTER → [**Timer**] → ▼ → ▼ → ENTER → [**Period**] → ▲ , ▼ → ENTER



Use this function to set the execution period for each mode set in the timer.

Time

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ▼ → ENTER → [**Timer**] → ▼ → ▼ → ▼ → ENTER → [**Time**] → ▲ , ▼ → ENTER

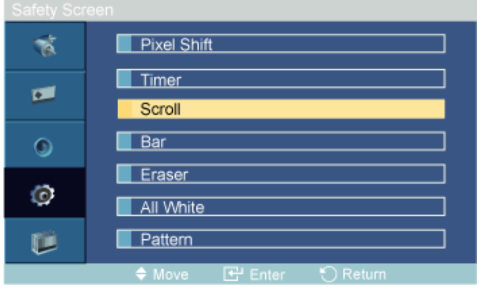


Within the set period of time specify a time for execution.

- **Mode-Scroll** : 1~5 **sec**
- **Mode-Bar**, **Eraser** : 10~50 **sec**
- **Mode-All White**, **Pattern** : 1, 5, 10, 20 30 **min**

Scroll

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ▼ → ▼ → ENTER → [**Scroll**]

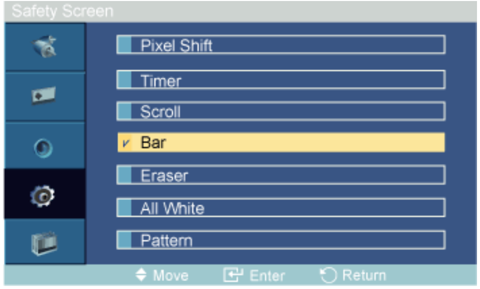


This function prevents after-images on the screen by moving all the pixels on the PDP according to a pattern.

Use this function when there are remaining after-images or symbols on the screen, especially when you displayed a still image on the screen for a long time.

Bar

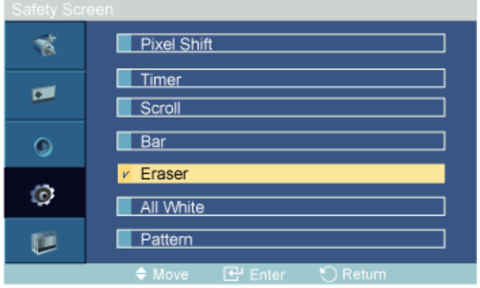
MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ▼ → ▼ → ▼ →ENTER → [**Bar**]



This function prevents after-images on the screen by moving long black and white vertical lines.

Eraser

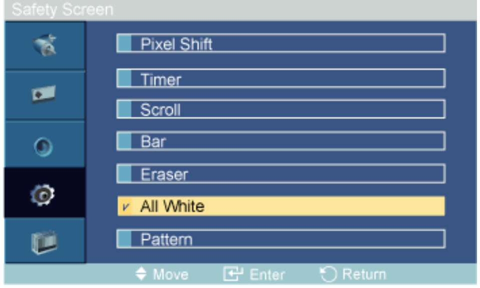
MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ▼ → ▼ → ▼ → ▼ →ENTER → [**Eraser**]



This function prevents after-images on the screen by moving a rectangular pattern.

All White

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ▼ → ▼ → ▼ → ▼ → ▼ →ENTER → [**All White**]

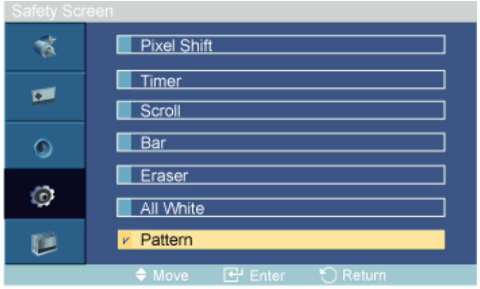


This function prevents after-images on the screen by changing the color of pixels to white.

Use this function when there are remaining after-images or symbols on the screen, especially when you displayed a still image on the screen for a long time.

Pattern

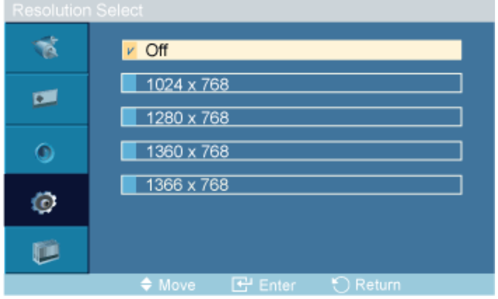
MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ENTER → [**Safety Screen**] → ▼ → ▼ → ▼ → ▼ → ▼ → ▼ →ENTER → [**Pattern**]



This function prevents after-images on the screen by moving a diagonal pattern stored in the panel repeatedly.

Resolution Select P

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ▼ →ENTER → [**Resolution Select**] → ▲ , ▼ → ENTER



When the picture is not displayed properly on the screen when setting the graphics card resolution of the computer to 1024 x 768 @ 60Hz, 1280 x 768 @ 60Hz, 1360 x 768@ 60Hz or 1366 x768 @ 60Hz, by using this function(Resolution Select), you can have the picture displayed on the screen in the specified resolution.

Note

Available in **PC** mode only

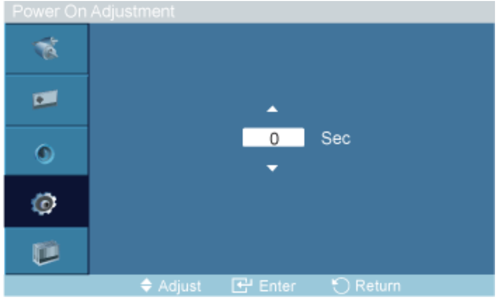
1. **Off**
2. **1024 X 768**
3. **1280 X 768**
4. **1360 x 768**
5. **1366 X 768**

Note

Selecting the menu is only allowed when the graphics resolution is set to 1024 x 768 @ 60Hz, 1280 x 768 @ 60Hz, 1360 x 768@ 60Hz or 1366 x768 @ 60Hz.

Power On Adjustment PAHMTC

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ▼ →▼→ ENTER → [**Power On Adjustment**] → ▲ , ▼ → ENTER

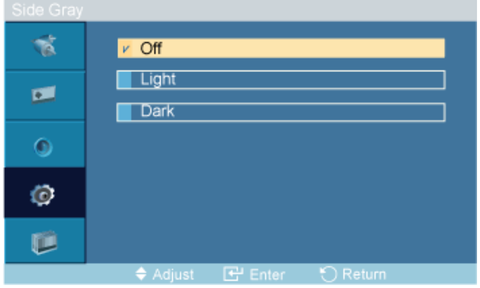


Adjusts the Power On time for the screen.

Caution: Set the Power On time to be longer to avoid overvoltage.

Side Gray PAHMTC

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ▼ →▼→ ▼→ ENTER → [**Side Gray**] → ▲ , ▼ → ENTER



Select the brightness of the grey for the screen background.

1. **Off**
2. **Light**
3. **Dark**

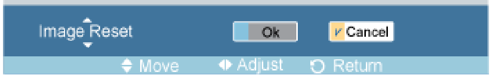
Reset

Reverts the product settings to factory defaults. The Reset function is only available when **PC** / **DVI** is being used.

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ▼ →▼→ ▼→ ▼ → ENTER → [**Reset**]

Image Reset P

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ▼ →▼→ ▼→ ▼ → ENTER → [**Reset**]→ ENTER → [**Image Reset**] → ◀, ▶→ ENTER



Note

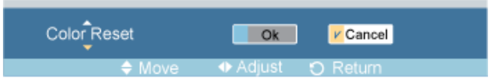
Available in **PC** mode only

Note

The Reset function is not available when **Video Wall** is **On**.

Color Reset PAHMTC

MENU → ▼ →▼ →▼ → ENTER → [**Setup**] → ▼→ ▼→ ▼→ ▼ → ▼ → ▼ → ▼ → ▼ →▼→ ▼→ ▼ → ENTER → [**Reset**]→ ▼→ ENTER → [**Color Reset**] → ◄, ► → ENTER



Multi Control

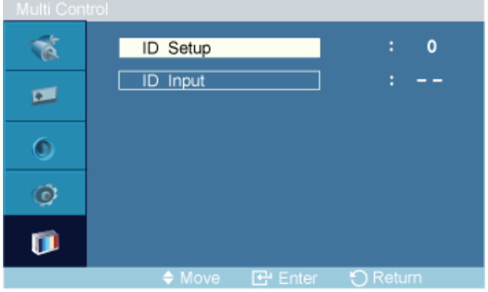
Available Modes

- P **PC / BNC / DVI**
- A **AV**
- H **HDMI**
- M **MagicInfo**
- T **TV**
- C **Component**

Multi Control PAHMTC

Assigns an individual ID to the SET.

MENU → ▼ →▼ →▼ → ▼ → ENTER → [**Multi Control**] → ENTER → ▲ , ▼ → [0~9]



ID Setup : 0

ID Input : - -

- **ID Setup**

  Assigns distinctive IDs to the SET.

- **ID Input**

  Use to select the transmitter functions of the individual SET. Only a SET where the ID corresponds to the transmitter setting becomes activated.

MagicInfo

Available Modes

- P **PC / BNC / DVI**

- A **AV**
- H **HDMI**
- M **MagicInfo**
- T **TV**
- C **Component**

Note

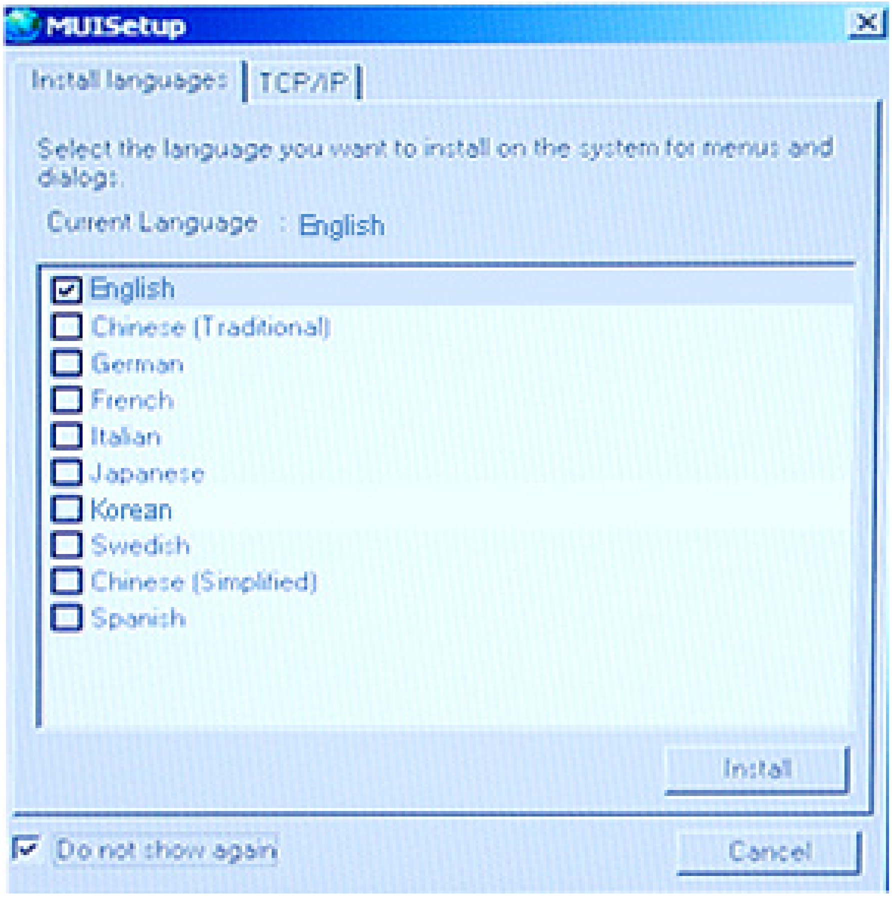
- The operating system for this set only supports English so the other languages might be corrupted on the screen.
- For **MagicInfo**, a remote control is available for **MagicInfo**. However, it is recommended using a separate USB keyboard.
- For **MagicInfo** in Device mode, moving external devices while booting may cause errors. Set up external devices only if the PDP Display turns on.
- Do not unplug the LAN cable used for the network (ex: video display). Otherwise, the program (MagicInfo) may stop. If you do unplug the cable, restart the system.
- Do not unplug the LAN cable used by an USB device (ex: video display). Otherwise, the program (MagicInfo) may stop.
- To access other sources, press the SOURCE button in **MagicInfo**.
- The preset password for the PDP Display is "000000".
- The server program's Power-On option works only if the PDP Display's power is completely shut off.

  Please make sure not to use the Power-On option when the PDP Display is in the process of shutting down since this may cause system errors on the PDP Display.
- In the OSD image of **MagicInfo**, Network mode is the same as Device.
- When using **MagicInfo** with the MagicInfo Pro Server Program: perform Network mode.
- When using **MagicInfo** with the device directly connected to PDP Display : execute Device mode.
- Press ALT + F12 to directly go to the **MagicInfo** Window screen.
- To setup **MagicInfo** on a Windows screen, a keyboard and mouse are required.
- To setup **MagicInfo** on a Windows screen, refer to the MagicInfo Server Help.

  It is highly recommended not to turn off the AC power during an operation.
- For pivoted PDP Displays, ticker transparency is not supported.
- For pivoted PDP Displays, a screen resolution of up to 720*480(SD) is supported for movies.
- For drive D:, **EWF** is not applied.

- When the contents of Setup have been changed when **EWF** is in the **Enable** state, to save the changes in the disk, you must **Commit** them.
- By selecting **Disable**, **Enable** or **Commit**, the system is restarted.

Magicinfo



Select the language you want to install on the system for menus and dialogs:

Current Language : English

☑ English
☐ Chinese (Traditional)
☐ German
☐ French
☐ Italian
☐ Japanese
☐ Korean
☐ Swedish
☐ Chinese (Simplified)
☐ Spanish

☑ Do not show again

1. Select **Magicinfo** in the **Source List** menu.

2. The MUTSetup screen appears.

Select the language you want to use.

3. Press the Install button.

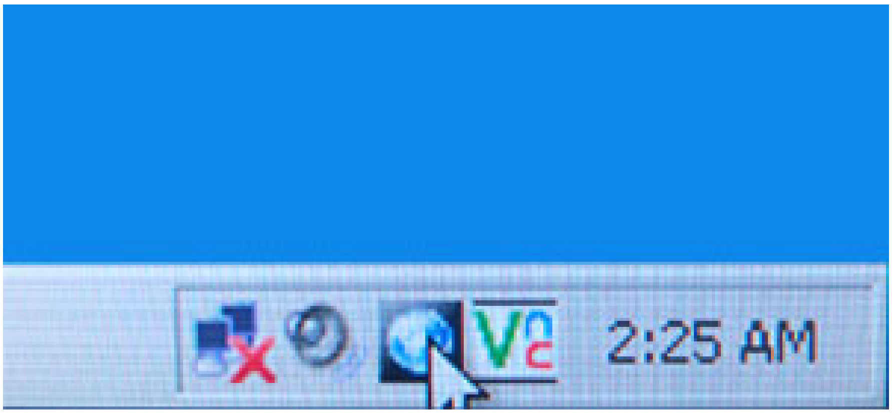
If you select Do not show again and click the Install button, the Scheduler screen is displayed after rebooting.

4. Connect your keyboard and mouse and press the “ALT + F12” keys on your keyboard.

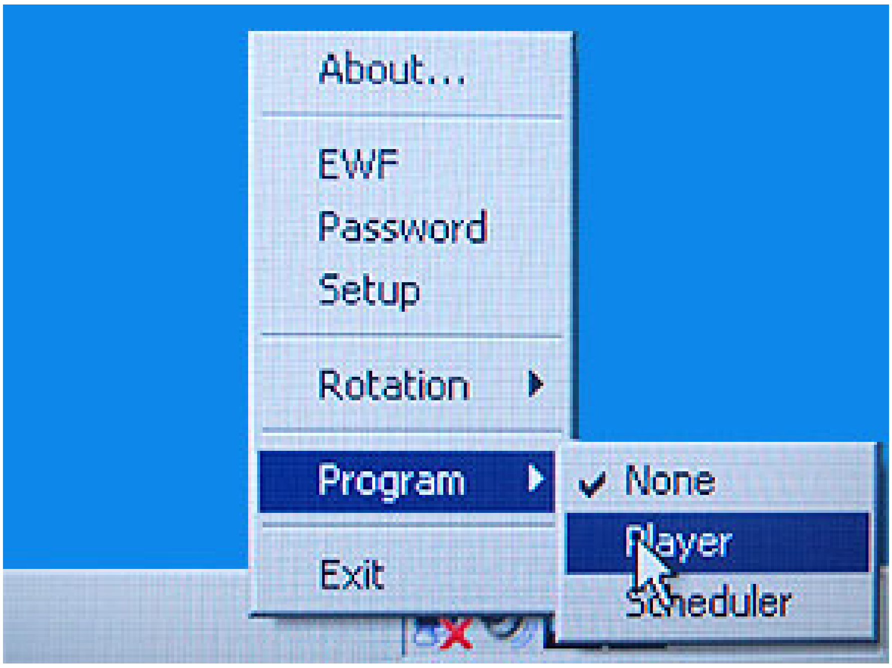
5. The Windows Desktop is displayed and the Magicinfo pro icon (the image will be inserted) appears. Move the cursor over the icon.

Note

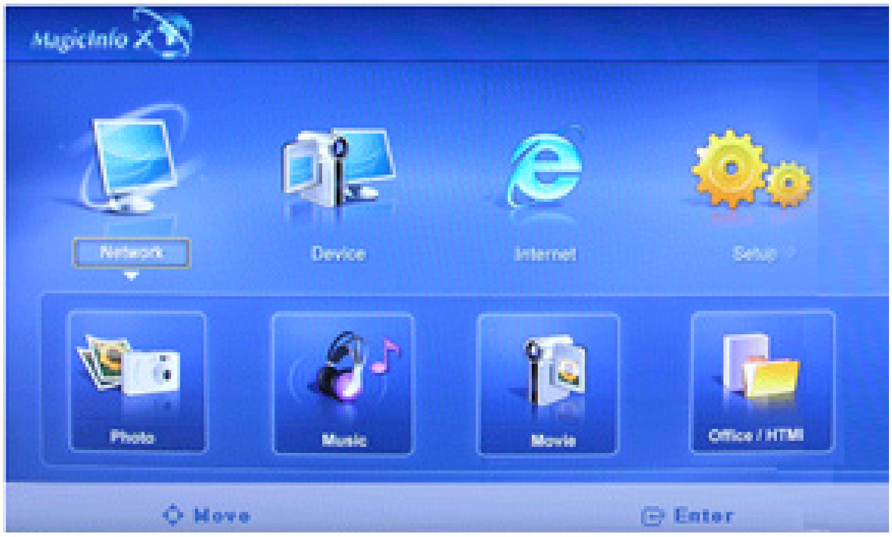
If the **Magicinfo** icon is not displayed on the notification area, double click the **Magicinfo** icon on the window desktop. The icon will appear.



6. Right-click on the Magicinfo pro icon (the image will be inserted) and select 'Program' --> 'player' from the displayed menu.



7. The Player screen of Magicinfo pro is displayed.



Note

To finish the MagicInfo, press ALT + F12.

Photo M

The JPEG, BMP file format are supported.

Auto

Automatically fits the image to the window.

Original

Shows the properties of the original file.

Slide Show

Displays the properties of the original file as they are.

Interval

Controls the time intervals between image files for a slide show. (5 **Sec**, 10 **Sec**, 20 **Sec**, 30 **Sec**, 60 **Sec**)

Rotation

Displays an image file by turning it clockwise by 90 degrees.

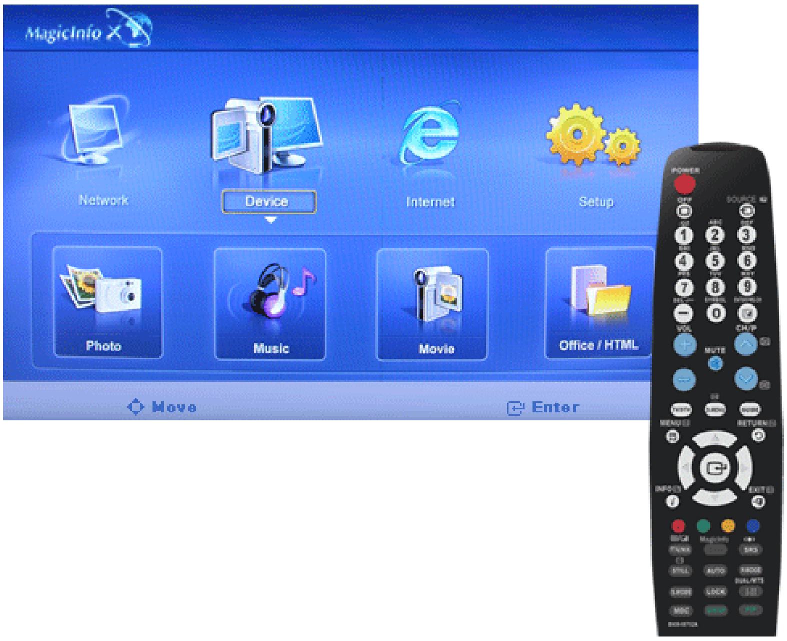
Zoom

Displays a reduced picture.

Close

Closes the image control Menu.

Music M

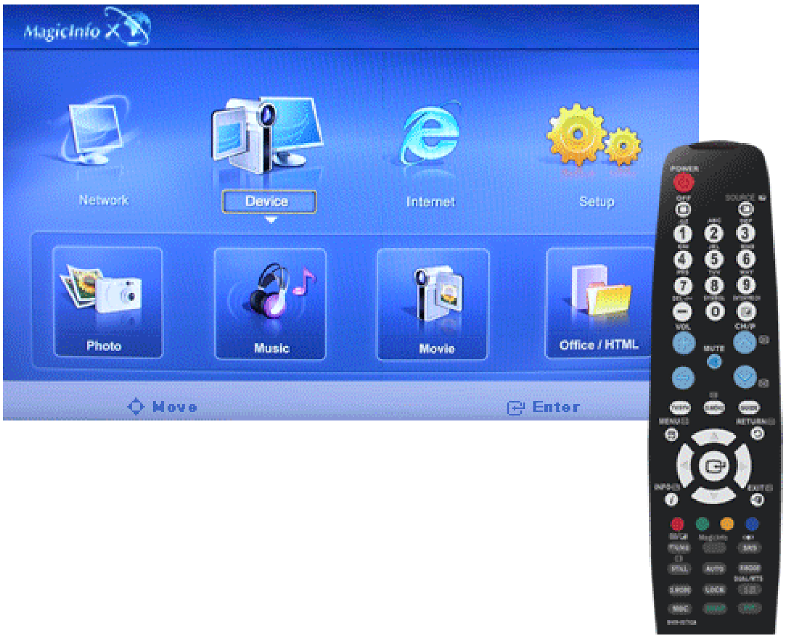


The MP3 file format is supported.

Movie M

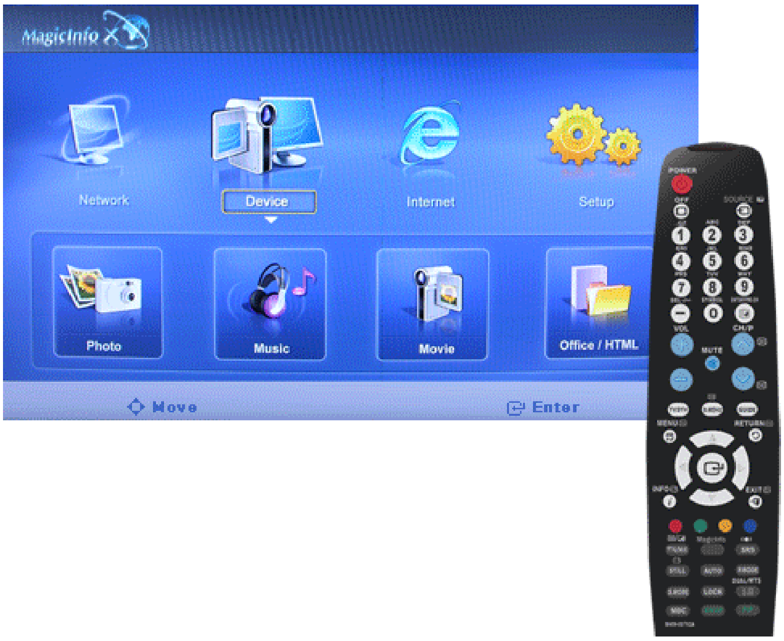
The MPEG1, WMV file format are supported.

Play



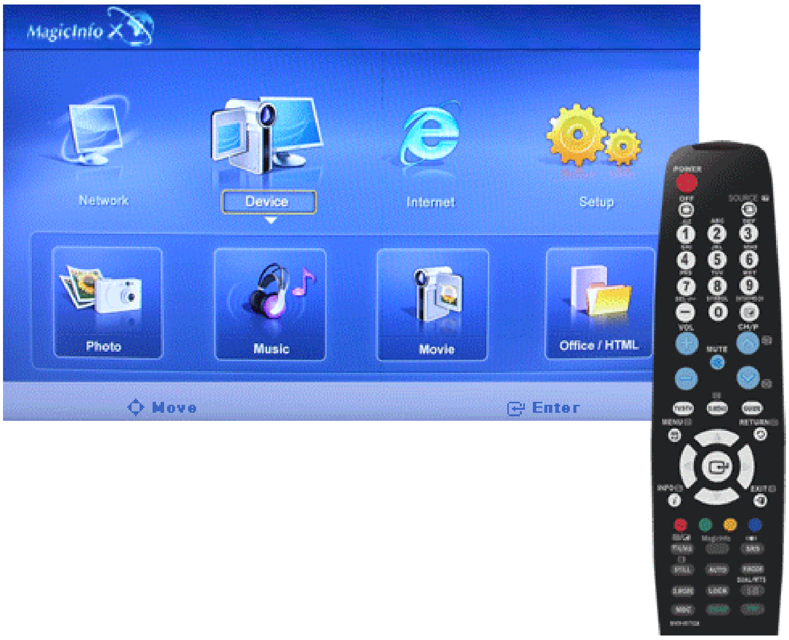
Plays a movie file.

Full Size



Plays a movie file in full screen.

OFFICE / HTML M

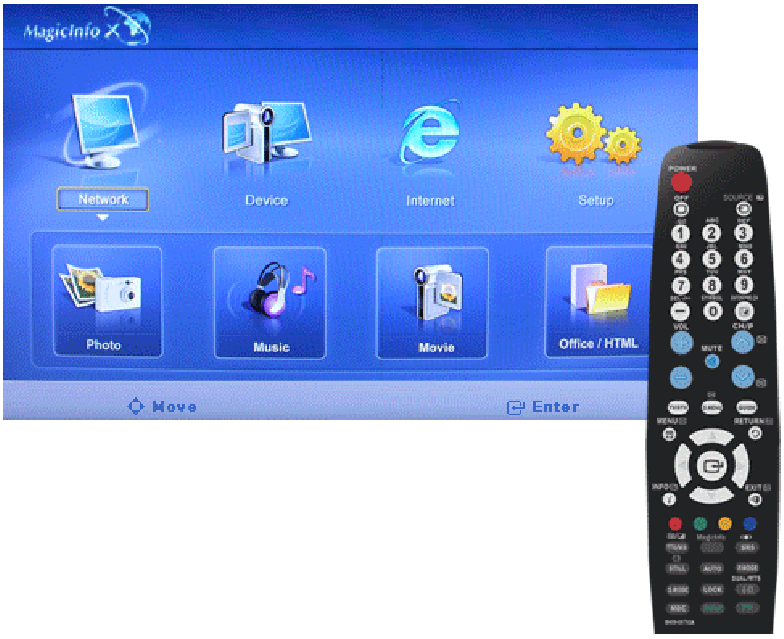


PPT(Power Point), DOC(MS Word), XLS(MS Excel), PDF, HTML, HTM files are displayed.

Note

- Install the proper viewer(freeware) program to see the MS Office(Word, Excel, Power Point) or PDF doucuments.

Internet M



Connects to the Internet

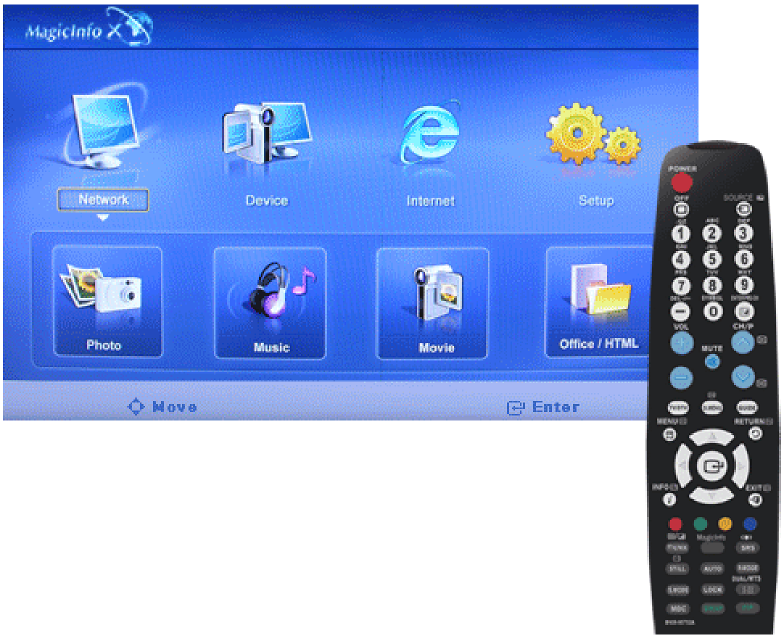
Setup M

Sets various functions in **MagicInfo** mode. A password must be entered to access **Setup** mode.

Schedule View

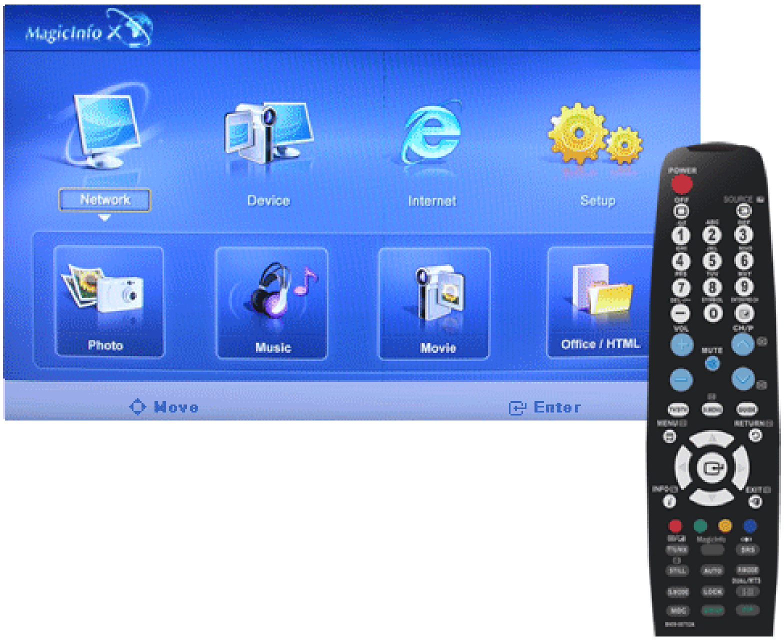
Displays a schedule.

TCP/IP



Changes the TCP/IP settings.

Connection



Modifies the network settings.

Password

The password can be changed.

- The password should be between 6 and 12 characters in numeric format.

  (You should enter a password between 6 and 12 characters in numeric format)

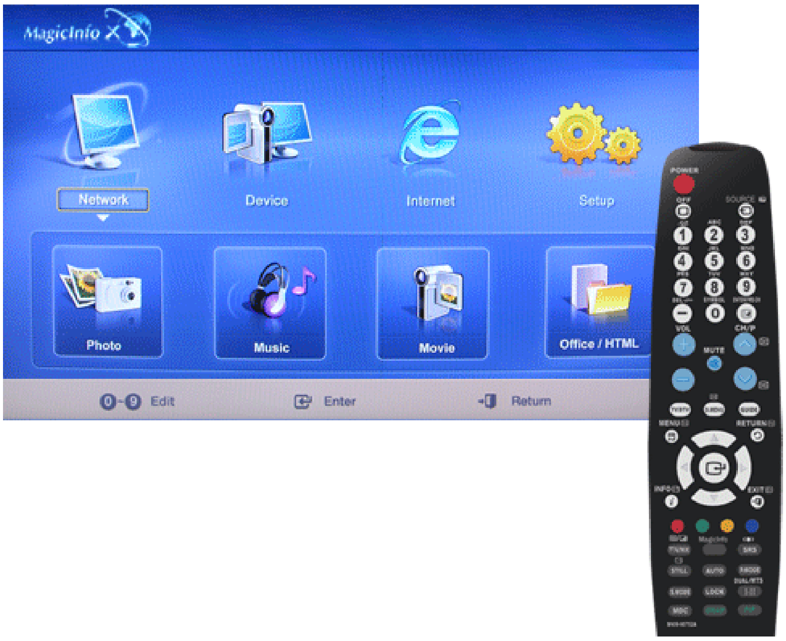
- If you enter the wrong password three times, the setup configuration is reset and a warning message appears from the server.

- If you forget the password, enter Info, 8, 2 and 4 on the remote control to initialize the password. This will reset the previous settings of Setup mode.

File

Local : You can delete or copy files on both local and removable disks.

Play Option



You can set the repeat play and screen settings.

Repeat : Determines the repeat option for playing movies and music.

- **None** - Select No Repeat to play a movie or tune in the list only once.
- **File Repeat** - Select Repeat File to play a movie or tune in the list repeatedly.
- **List Repeat** - Select Repeat List to play movies or tunes in the list in sequence repeatedly.

Rotation - Sets the picture orientation.

- **Landscape** - Sets the screen resolution to 1366x768 pixels.
- **Portrait** - Sets the screen resolution to 768x1366 pixels.

EWF(Enhanced Write Filter) : Prevents change to and loss of the data saved on the disk.

- **Disable** - Disables **EWF** to allow saved data to be changed data on the protected disk (drive C:). When switching from the **Enable** to the **Disable** state, you can select **Commit**.
- **Enable** - Enables **EWF** to prevent saved data to be changed on the protected disk (drive C:).
- **Commit** - **Commit** the changed data to the protected disk (drive C:) when **EWF** is in the **Enable** state. **Commit** is not available when **EWF** is in the **Disable** state.

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.

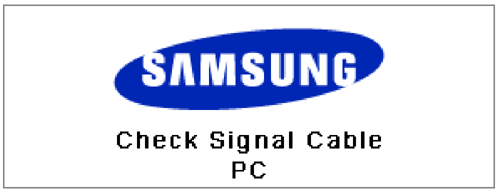
Self-Test Feature Check

1. Turn off both your computer and the PDP Display.

2. Unplug the video cable from the back of the computer.

3. Turn on the PDP Display.

   The figure shown below ("**Check Signal Cable**") appears on a black background when the PDP 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.



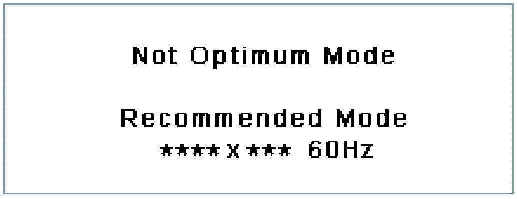
Check Signal Cable
PC

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

If your PDP Display screen remains blank after using the previous procedure, check your video controller and computer system; your PDP 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 PDP Display does not support over 85Hz.



Not Optimum Mode

Recommended Mode
****x*** 60Hz

Note

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

Maintenance and Cleaning

1) Maintaining the PDP 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 PDP 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 PDP 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 PDP Display installation and their solutions are listed.

Q: The PDP Display screen flickers.

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

(Refer to Connecting a Computer)

Problems related to the Screen

Note

Problems related to the PDP 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 PDP 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 PDP Display. If not, reset them referring to the current Information under the PDP 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 PDP Display. If not, reset them referring to the current Information under the PDP 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.

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

Q: The screen is blank and the power indicator light blinks every 0.5 or 1 seconds. The PDP Display is using its power management system. Press any key on the keyboard.

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

A: Press any 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 PDP 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 PDP 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/PDP Panel?

A: Disconnect the power cord and then clean the PDP 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 PDP 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.

Specifications

General

General	
Model Name	SyncMaster P42HP SyncMaster P50HP

PDP Panel		
Size	SyncMaster P42HP	42 '' Diagonal (107 cm)
	SyncMaster P50HP	50 '' Diagonal (127 cm)
Display area	SyncMaster P42HP	933.89 mm (H) X 532.22 mm (V)
	SyncMaster P50HP	1105.65 mm (H) X 622.08 mm (V)
Pixel Pitch	SyncMaster P42HP	0.912 mm (H) X 0.693 mm (V)
	SyncMaster P50HP	0.810 mm (H) x 0.810 mm (V)

Synchronization	
Horizontal	30 ~ 81 kHz
Vertical	56 ~ 75 Hz

Display Color

16.7 M

Resolution		
Optimum resolution	P42HP	1024 x 768 @ 60 Hz
	P50HP	1360 x 768 @ 60 Hz
Maximum resolution	P42HP	1920 x 1080 @ 60 Hz
	P50HP	1920 x 1080 @ 60 Hz

Input Signal, Terminated

RGB Analog, DVI Compliant Digital RGB

0.7 Vp-p ±5 %

Separate H/V sync, Composite, SOG(Option)

TTL level (V high ≥ 2.0 V, V low ≤ 0.8 V)

Maximum Pixel Clock	
SyncMaster P42HP	170MHz (Analog,Digital)
SyncMaster P50HP	170MHz (Analog,Digital)

Power Supply

AC 100 - 240 V~ (+/- 10 %), 50/60 Hz ± 3 Hz

Signal Cable

15pin-to-15pin D-sub cable, Detachable

DVI-D to DVI-D connector, Detachable (Sold separately)

Dimensions (W x H x D) / Weight

SyncMaster P42HP	1027 x 630.4 x 96.8 mm (40.4 x 24.8 x 3.8 inch) (Without Stand) 1027 x 682.8 x 361.7 mm (40.4 x 26.9 x 14.2 inch) (With Stand) / 27.6kg (60.8 lbs)
SyncMaster P50HP	1204.6 x 724.1 x 97.1 mm (47.4 x 28.5 x 3.8 inch) (Without Stand) 1204.6 x 773.2 x 362.4 mm (47.4 x 30.4 x 14.3 inch) (With Stand) / 33.7kg (74.3 lbs)

VESA Mounting Interface

600 x 400 mm

Environmental considerations

Operating	Temperature : 50°F ~ 104°F (10°C ~ 40°C) Humidity : 10 % ~ 80 %, non-condensing
Reliability - MTBF	More than 50,000 hours at 90% confidence level.
Storage	Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Humidity : 5 % ~ 95 %, non-condensing

Audio Characteristics

Audio Input	RCA Jack Red(R) White(L), 0.5 Vrms (-9 dB)
Audio Output	RCA Jack Red(R) White(L), 0.5 Vrms (-9 dB)
PC Audio Input	3.5 øStereo Jack, 0.5 Vrms (-9 dB)
Frequency	RF: 80 Hz ~ 15 kHz (at -3 dB)
Response	AV: 80 Hz ~ 20 kHz (at -3 dB)

Plug and Play Capability

This PDP Display can be installed on any Plug & Play compatible system. The interaction of the PDP Display and the computer systems will provide the best operating conditions and PDP Display settings. In most cases, the PDP Display installation will proceed automatically, unless the user wishes to select alternate settings.

Dot Acceptable

PDP panels manufactured by using advanced semiconductor technology with precision of 1ppm (one millionth) above are used for this product. But the pixels of RED, GREEN, BLUE and WHITE color appear to be bright sometimes or some black pixels may be seen. This is not from bad quality and you can use it without any problems.

Dot Acceptable
For example, the number of PDP sub pixels contained in this product are 2,359,296 (P42HP). For example, the number of PDP sub pixels contained in this product are 3,133,440 (P50HP).

Note

Design and specifications are subject to change without prior notice.

Class B Equipment (Information Communication equipment for residential use)

This product complies with the Electromagnetic Compatibility Directives for residential use and can be used in all areas including common residential areas. (Class B equipment emits less electromagnetic waves than Class A equipment.)

MagicInfo - Client

Note

This is activated when a network box is installed.

Item		Specification	Remarks
Contents	Photo	Supported File Format : BMP/JPEG	2274x1704 or less
	Music	Supported File Format : MP3	Sound bandwidth : 50 Hz to 15 kHz
	Movie	- MPEG1, WMV - Max 1280 x 720 30 fps	
	File	MS Office(Word, Excel, Power Point), HTML, PDF	- Some files may not be supported depending on the format or the version. - Install the proper viewing (freeware) program to see MS Office (Word, Excel, Power Point) or PDF documents.
Internet Browser		MS Internet Explorer	Not Support Flash, Java Applet, Security Site
Language		English	
OS		Windows XP Embedded	

MagicInfo Pro - Server Requirement

Note

This is activated when a network box is installed.

	CPU	RAM	Ethernet	OS	Application
Minimum	P1.8 GHz	256 M	100 M / 1 G	Windows XP	WMP 9 or later

	CPU	RAM	Ethernet	OS	Application
Recommended	P3.0 GHz	512 M	100 M / 1 G	Windows XP	WMP 9 or later

PowerSaver

This PDP Display has a built-in power management system called PowerSaver. This system saves energy by switching your PDP Display to low-power mode when it has not been used for a certain amount of time. The PDP Display automatically returns to normal operation when you press a key on the keyboard. For energy conservation, turn your PDP Display OFF when it is not needed, or when leaving it unattended for long periods. The PowerSaver system operates with a VESA DPM compliant video card installed in your computer. Use the software utility installed on your computer to set up this feature.

PowerSaver (When used as a Network PDP Display)

State		Normal Operation	Power saving mode	Power off EPA/ENERGY 2000
Power Indicator		Green	Green, Blinking	Red
Power Consumption	P42HP	380 W	Less than 5 watts	Less than 5 watts
	P50HP	470 W		

PowerSaver (When used as a normal PDP Display)

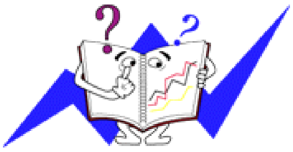
State		Normal Operation	Power saving mode	Power off EPA/ENERGY 2000
Power Indicator		Green	Green, Blinking	Red
Power Consumption	P42HP	380 W	Less than 2 watts	Less than 2 watts
	P50HP	470 W		

Preset Timing Modes

If the signal transferred from the computer is the same as the following Preset Timing Modes, the screen will be adjusted automatically. However, if the signal differs, the screen may go blank while the power LED is on. Refer to the video card manual and adjusts the screen as follows.

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (H/V)
IBM, 640 x 350	31.469	70.086	25.175	+/-
IBM, 640 x 480	31.469	59.940	25.175	-/-
IBM, 720 x 400	31.469	70.087	28.322	-/+
MAC, 640 x 480	35.000	66.667	30.240	-/-
MAC, 832 x 624	49.726	74.551	57.284	-/-
MAC, 1152 x 870	68.681	75.062	100.000	-/-

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (H/V)
VESA, 640 x 480	37.861	72.809	31.500	-/-
VESA, 640 x 480	37.500	75.000	31.500	-/-
VESA, 800 x 600	35.156	56.250	36.000	+/+
VESA, 800 x 600	37.879	60.317	40.000	+/+
VESA, 800 x 600	48.077	72.188	50.000	+/+
VESA, 800 x 600	46.875	75.000	49.500	+/+
VESA, 848 x 480	31.020	60.000	33.750	+/+
VESA, 1024 x 768	48.363	60.004	65.000	-/-
VESA, 1024 x 768	56.476	70.069	75.000	-/-
VESA, 1024 x 768	60.023	75.029	78.750	+/+
VESA, 1152 x 864	67.500	75.000	108.000	+/+
VESA, 1280 x 768	47.776	59.870	79.500	-/+
VESA, 1280 X 960	60.000	60.000	108.000	+/+
VESA, 1280 X 1024	63.981	60.020	108.000	+/+
VESA, 1280 X 1024	79.976	75.025	135.000	+/+
VESA, 1360 x 768	47.712	60.015	85.500	+/+
VESA, 1600 x 1200	75.000	60.000	162.000	+/+
VESA, 1920 x 1080	66.587	59.934	138.500	+/-



Horizontal Frequency

The time to scan one line connecting the right edge to the left edge of the screen horizontally is called the Horizontal Cycle and the inverse number of the Horizontal Cycle is called the Horizontal Frequency. Unit: kHz

Vertical Frequency

Like a fluorescent lamp, the screen has to repeat the same image many times per second to display an image to the user. The frequency of this repetition is called the Vertical Frequency or Refresh Rate. Unit: Hz

Information

For Better Display

Adjust the computer resolution and screen injection rate (refresh rate) on the computer as described below to enjoy the best picture quality. You can have an uneven picture quality on screen if the best picture quality is not provided for PDP.

- Resolution: 1024 x 768 (P42HP)

  Resolution: 1360 x 768 (P50HP)

- Vertical frequency (refresh rate): 60 Hz

PDP panels manufactured by using advanced semiconductor technology with a precision of 1ppm (one millionth) and above is used for this product. But the pixels of RED, GREEN, BLUE and WHITE color seem to be bright sometimes or some of black pixels could be seen. This is not from bad quality and you can use it without any problems.

- For example, the number of PDP sub pixels contained in this product are 2,359,296(P42HP) / 3,133,440(P50HP).

When cleaning the monitor and the panel outside, please apply the recommended small amount of cleaner by using a soft cloth to polish. Do not force the PDP area but rub softly. If excessive force is applied, you may stain it.

If you are not satisfied with the picture quality, you can get better quality of picture by performing the "**Auto Adjustment** function" in display screen that is appeared as window termination button is pressed. If there's still noise after the automatic adjustment, use the **Fine**/**Coarse** adjustment function.

When viewing a fixed screen for an extended period of time, a residual image or blurriness may appear. Change the mode to energy save or set a screensaver to move the picture when you need to be away from the monitor for an extended period of time.

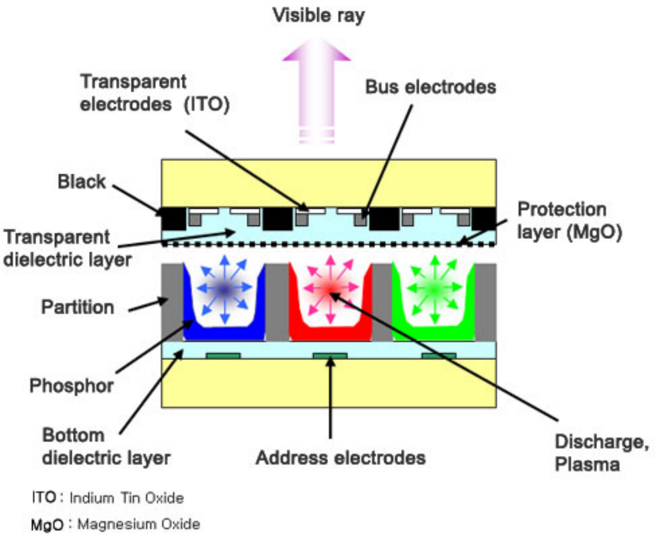
PRODUCT INFORMATION (Image Retention Free)

What is Image Retention ?

Image retention may not occur when a PDP panel is operated under normal conditions.Normal conditions are defined as continuously changing video patterns. When the PDP panel is operated for a long time with a fixed pattern .

Phosphor degradation may occur and the brightness is decreased. To prevent this, the video pattern should be changed from time to time.

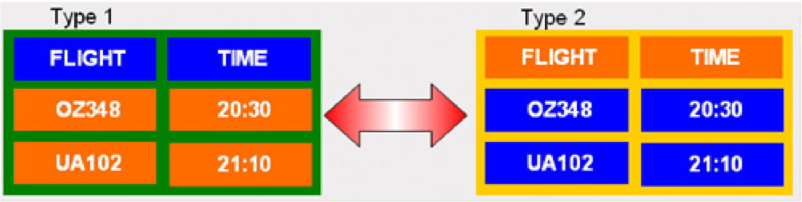
When viewing a still screen for a long time, the brightness of any part which was bright in the previous fixed pattern becomes lower than that of its surroundings.



Power Off, Screen Saver, or Power Save Mode

- Turn the power off for 4 hours after 20 hours in use
- Turn the power off for 2 hours after 12 hours in use
- Set the Monitor to power off with the PC Display Properties Power Scheme.
- Use a Screen saver if possible - Screen saver in one color or a moving image is recommended.

Change the Color Information periodically



Type 1

FLIGHT	TIME
OZ348	20:30
UA102	21:10

Type 2

FLIGHT	TIME
OZ348	20:30
UA102	21:10

Note

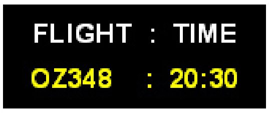
Use Two different colors

Rotate the Color Information with 2 different colors every 30 minutes.

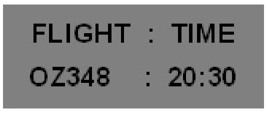
- Avoid using a combination of characters and background color with large difference in luminance.

  Avoid using Grey colors, which can cause Image retention easily.

  Avoid: Colors with big difference in luminance (Black & White, Grey)



FLIGHT : TIME
OZ348 : 20:30

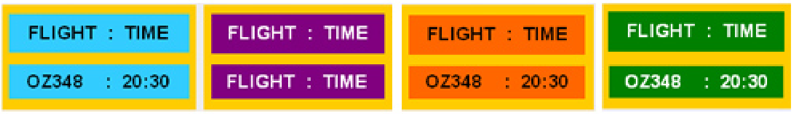


FLIGHT : TIME
OZ348 : 20:30

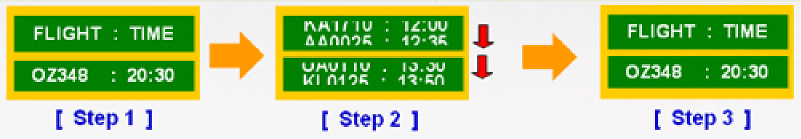
Change the characters color periodically

- Use Bright colors with little difference in luminance.

  - Cycle : Change the characters color and background color every 30 minutes



- Every 30 minutes, change the characters with movement.



- All area display Moving image together with Logo periodically.

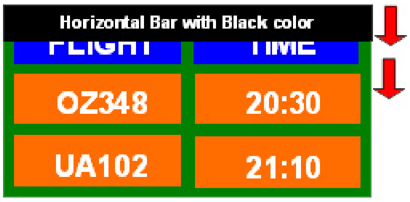
  - Cycle: Display moving image together with Logo for 60 seconds after 4 hours in use.

- The best way to protect your monitor from Image retention is to turn Power off, or set your PC, or System to operate a Screen Saver program when you are not using it. Also Warranty service will be limited based on instruction guide.

Apply the Screen Scroll function on Product

- Apply the Screen Scroll function

  - Symptom: Horizontal Bar with Black Color move up and down.



- Select method

- Instruction Guide : OSD Menu -> Set Up -> Safety Screen -> Screen Scroll
- Time Interval : 1 ~ 10 hours (Recommend : 1)
- Time Period : 1 ~ 5 second (Recommend : 5)

Note

(Please check CD's User Guide at "OSD Function", some model's will not available)

Apply the Screen Pixel function on Product

- Apply the Screen Pixel function

  - Symptom: Dot with Black Color move up and down.

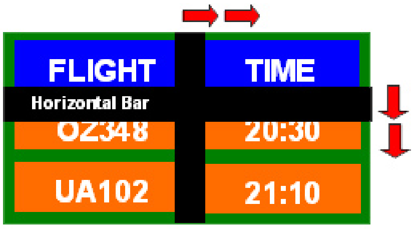
FLIGHT
TIME
OZ348
20:30
UA102
21:10

- Select method

- Instruction Guide : OSD Menu -> Set Up -> Safety Screen -> Pixel
- Time Interval : 1 ~ 10 hours (Recommend : 1)
- Time Period : 10 ~ 50 second (Recommend : 50)

- Apply the Screen Bar function

  - Symptom: Horizontal / Vertical Bar with Black Color move up and down.



- Select method

- Instruction Guide : OSD Menu -> Set Up -> Safety Screen -> Bar
- Time Interval : 1 ~ 10 hours (Recommend : 1)
- Time Period : 10 ~ 50 second (Recommend : 50)

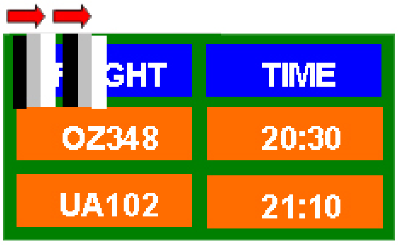
Note

(Please check CD's User Guide at "OSD Function", some model's will not available.)

Apply the Screen Erasing function on Product

- Apply the Screen Erasing function

  - Symptom: 2 Vertical blocks move with erasing the display



- Select method

- Instruction Guide : OSD Menu -> Set Up -> Safety Screen -> Eraser

- Time Interval : 1 ~ 10 hours (Recommend : 1)
- Time Period : 10 ~ 50 second (Recommend : 50)

Note

(Please check CD's User Guide at "OSD Function", some model's will not available)

Appendix

Contact SAMSUNG WORLDWIDE

Note

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

North America

U.S.A	1-800-SAMSUNG(726-7864)	http://www.samsung.com/us
CANADA	1-800-SAMSUNG(726-7864)	http://www.samsung.com/ca
MEXICO	01-800-SAMSUNG (726-7864)	http://www.samsung.com/mx

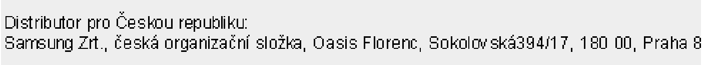
Latin America

ARGENTINE	0800-333-3733	http://www.samsung.com/ar
BRAZIL	0800-124-421 4004-0000	http://www.samsung.com/br
CHILE	800-SAMSUNG(726-7864)	http://www.samsung.com/cl
COLOMBIA	01-8000112112	http://www.samsung.com/co
COSTA RICA	0-800-507-7267	http://www.samsung.com/latin
ECUADOR	1-800-10-7267	http://www.samsung.com/latin
EL SALVADOR	800-6225	http://www.samsung.com/latin
GUATEMALA	1-800-299-0013	http://www.samsung.com/latin
HONDURAS	800-7919267	http://www.samsung.com/latin
JAMAICA	1-800-234-7267	http://www.samsung.com/latin
NICARAGUA	00-1800-5077267	http://www.samsung.com/latin
PANAMA	800-7267	http://www.samsung.com/latin
PUERTO RICO	1-800-682-3180	http://www.samsung.com/latin
REP. DOMINICA	1-800-751-2676	http://www.samsung.com/latin
TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	http://www.samsung.com/latin
VENEZUELA	0-800-100-5303	http://www.samsung.com/latin

Europe

AUSTRIA	0810 - SAMSUNG (7267864, € 0.07/min)	http://www.samsung.com/at

Europe

BELGIUM	02 201 2418	http://www.samsung.com/be
CZECH REPUBLIC	800 - SAMSUNG (800-726786)	http://www.samsung.com/cz
	 Distributor pro Českou republiku: Samsung Zrt., česká organizační složka, Oasis Florenc, Sokolovská394/17, 180 00, Praha 8	
DENMARK	8 - SAMSUNG (7267864)	http://www.samsung.com/dk
EIRE	0818 717 100	http://www.samsung.com/ie
FINLAND	30 - 6227 515	http://www.samsung.com/fi
FRANCE	3260 'dites' SAMSUNG (€ 0,15/Min) 0825 08 65 65 (€ 0.15/Min)	http://www.samsung.com/fr
GERMANY	01805 - SAMSUNG (7267864, € 0.14/Min)	http://www.samsung.de
HUNGARY	06-80-SAMSUNG (726-7864)	http://www.samsung.com/hu
ITALIA	800-SAMSUNG (726-7864)	http://www.samsung.com/it
LUXEMBURG	02 261 03 710	http://www.samsung.com/lu
NETHERLANDS	0900 - SAMSUNG (7267864, € 0.10/Min)	http://www.samsung.com/nl
NORWAY	3 - SAMSUNG (7267864)	http://www.samsung.com/no
POLAND	0 - 801 - 1SAMSUNG (172678) 022 - 607 - 93 - 33	http://www.samsung.com/pl
PORTUGAL	808 20 - SAMSUNG (7267864)	http://www.samsung.com/pt
SLOVAKIA	0800-SAMSUNG (726-7864)	http://www.samsung.com/sk
SPAIN	902 - 1 - SAMSUNG(902 172 678)	http://www.samsung.com/es
SWEDEN	075 - SAMSUNG (726 78 64)	http://www.samsung.com/se
SWITZERLAND	0848 - SAMSUNG (7267864, CHF 0.08/min)	http://www.samsung.com/ch
U.K	0845 SAMSUNG (7267864)	http://www.samsung.com/uk

CIS

ESTONIA	800-7267	http://www.samsung.ee
LATVIA	8000-7267	http://www.samsung.com/lv
LITHUANIA	8-800-77777	http://www.samsung.lt
KAZAKHSTAN	8-10-800-500-55-500	http://www.samsung.com/kz_ru
KYRGYZSTAN	00-800-500-55-500	
RUSSIA	8-800-555-55-55	http://www.samsung.ru
TADJIKISTAN	8-10-800-500-55-500	
UKRAINE	8-800-502-0000	http://www.samsung.ua
UZBEKISTAN	8-10-800-500-55-500	http://www.samsung.com/kz_ru

Asia Pacific

AUSTRALIA	1300 362 603	http://www.samsung.com/au
CHINA	800-810-5858 400-810-5858 010-6475 1880	http://www.samsung.com/cn
	HONG KONG:3698 - 4698	http://www.samsung.com/hk
INDIA	3030 8282 1800 110011 1-800-3000-8282	http://www.samsung.com/in
INDONESIA	0800-112-8888	http://www.samsung.com/id
JAPAN	0120-327-527	http://www.samsung.com/jp
MALAYSIA	1800-88-9999	http://www.samsung.com/my
NEW ZEALAND	0800 SAMSUNG(0800 726 786)	http://www.samsung.com/nz
PHILIPPINES	1800-10-SAMSUNG (726-7864)	http://www.samsung.com/ph
SINGAPORE	1800-SAMSUNG(726-7864)	http://www.samsung.com/sg
THAILAND	1800-29-3232 02-689-3232	http://www.samsung.com/th
TAIWAN	0800-329-999	http://www.samsung.com/tw
VIETNAM	1 800 588 889	http://www.samsung.com/vn

Middle East & Africa

SOUTH AFRICA	0860-SAMSUNG(726-7864)	http://www.samsung.com/za
TURKEY	444 77 11	http://www.samsung.com/tr
U.A.E	800-SAMSUNG(726-7864) 8000-4726	http://www.samsung.com/ae

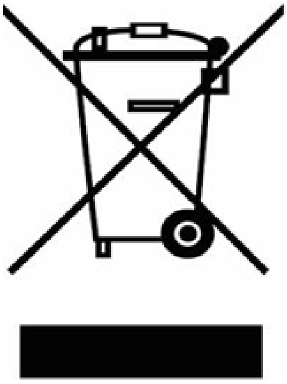
Terms

Dot Pitch	The image on a monitor is composed of red, green and blue dots. The closer the dots, the higher the resolution. The distance between two dots of the same color is called the 'Dot Pitch'. Unit: mm
Vertical Frequency	The screen must be redrawn several times per second in order to create and display an image for the user. The frequency of this repetition per second is called the Vertical Frequency or Refresh Rate. Unit: Hz Example: If the same light repeats itself 60 times per second, this is regarded as 60 Hz.
Horizontal Frequency	The time to scan one line connecting the right edge to the left edge of the screen horizontally is called the Horizontal Cycle. The inverse number of the Horizontal Cycle is called Horizontal Frequency. Unit: kHz

Interlace and Non-Interlace Methods	Showing the horizontal lines of the screen from the top to the bottom sequentially is called the Non-Interlace method while showing odd lines and then even lines in turn is called the Interlace method. The Non-Interlace method is used for the majority of monitors to ensure a clear image. The Interlace method is the same as that used in TVs.
Plug & Play	This is a function that provides the best quality screen for the user by allowing the computer and the monitor to exchange information automatically. This monitor follows the international standard VESA DDC for the Plug & Play function.
Resolution	The number of horizontal and vertical dots used to compose the screen image is called the 'resolution'. This number shows the accuracy of the display. A high resolution is good for performing multiple tasks as more image information can be shown on the screen. Example: If the resolution is 1024(1360) x 768(768), this means the screen is composed of 1024(1360) horizontal dots (horizontal resolution) and 768(768) vertical lines (vertical resolution).
SRS TS XT	This feature outputs sonorous and vivid 3D sound as for 5.1 channel speaker sound but through a 2-channel speaker. It has a good effect when stereo signals are input.

Correct Disposal

Correct Disposal of This Product (Waste Electrical & Electronic Equipment) - Europe only



(Applicable in the European Union and other European countries with separate collection systems)

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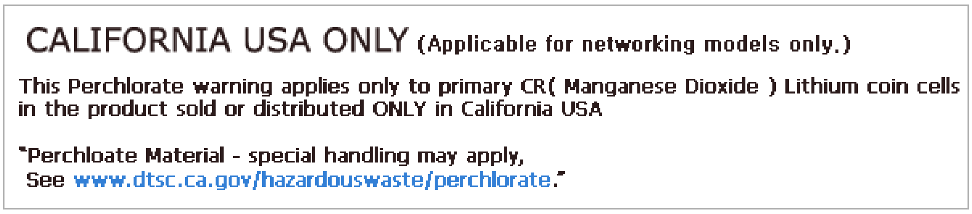

CALIFORNIA USA ONLY (Applicable for networking models only.)

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"Perchloate Material - special handling may apply,
See www.dtsc.ca.gov/hazardouswaste/perchlorate."