

SyncMaster 711ND









Safety Precautions

Notation Power Installation Cleaning and Use Others

Notation

Please read the following safety instructions as they are designed to prevent damage to property and harm to the user.

Warning / Caution



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

Notational Conventions



Prohibited



Important to read and understand at all times



Do not disassemble



Disconnect the plug from the outlet



Do not touch



Grounding to prevent an electric shock

Notation Power Installation Cleaning and Use Others

Power



When not used for extended period of time, set your computer to DPMS. If using a screen saver, set it to the active screen mode.

Shortcut to Anti-Afterimage Instructions

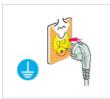


- Do not use a damaged or loose plug.
 - ▶ This may cause an electric shock or fire.





- Do not pull the plug out by the wire nor touch the plug with wet hands.
 - ▶ This may cause an electric shock or fire.



- Use only a properly grounded plug and receptacle.
 - ▶ An improper ground may cause electric shock or equipment damage.



- Insert the power plug firmly so that it does not come loose.
 - A bad connection may cause fire.



- Do not excessively bend the plug and wire nor place heavy objects upon them, which could cause damage.
 - ▶ This may cause an electric shock or fire.



- Do not connect too many extension cords or plugs to an outlet.
 - ▶ This may cause fire.



- Do not disconnect the power cord while using the monitor.
 - ▶ A surge may be caused by the separation and may damage the monitor.



- Do not use the power cord when the connector or plug is dusty.
 - If the connector or plug of the power cord is dusty, clean it with a dry cloth.
 - Using the power cord with a dusty plug or connector may cause an electric shock or fire.

Installation



Be sure to contact an authorized Service Center when installing your set in a location with heavy dust, high or low temperatures, high humidity, and chemical substances, or where it will be operated for 24 hours continuously such as an airport, train station or etc.

Power

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



- Put your monitor in a location with low humidity and a minimum of dust.
 - ▶ Failure to do so may cause an electric shock or fire inside the monitor.



- Do not drop the monitor when moving it.
 - ▶ This may cause damage to the product or human body.



- Install the monitor base in a showcase or shelf so that the end of the base does not protrude from the showcase or shelf.
 - ▶ Dropping the product may cause damage to the product or personal injury.



- Do not place the product on an unstable or small surface area.
 - Place the product on an even, stable surface, as the product may fall and cause harm to someone walking by, specifically children.



- Do not place the product on the floor.
 - ▶ Someone, specifically children could trip over it.



- Keep any flammable objects such as candles, insecticides or cigarettes away from the product.
 - ▶ Otherwise, this may cause a fire.



- Keep any heating devices away from the power cable.
 - A melted coating may lead to electric shock or fire.



- Do not install the product in places with poor ventilation, for instance, a bookshelf, closet, etc.
 - ▶ Any increase in internal temperature may cause fire.



- Set down the monitor carefully.
 - ▶ The monitor could be damaged or broken.



Do not place the monitor face down.

▶ The TFT-LCD surface may be damaged.



- Installing a wall bracket must be done by a qualified professional.
 - Installation by unqualified personnel may result in injury.

 Always use the mounting device specified in the owner's manual.



- When installing the product, make sure to keep it away from the wall (more than 10 cm/4 inch) for ventilation purposes.
 - Poor ventilation may cause an increase in the internal temperature of the product, resulting in a shortened component life and degraded performance.



- Keep the plastic packaging (bag) out of children's reach.
 - ▶ The plastic packaging (bag) may cause suffocation if children play with it.

Notation Power Installation Cleaning and Use Others

Cleaning and Use



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

- Do not spray water or detergent directly on the monitor.
 - ▶ This may cause damage, electric shock or fire.





Use the recommended detergent with a smooth cloth.



- If the connector between the plug and the pin is dusty or dirty, clean it properly with a dry cloth.
 - A dirty connector may cause an electric shock or fire.



- Make sure to unplug the power cord before cleaning the product.
 - Otherwise, this may cause electric shock or fire.



- Unplug the power cord from the power outlet and wipe the product using a soft, dry cloth.
 - Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air freshener, lubricant or detergent.



- Ontact the Service Center or Customer Center for interior cleaning once a year.
 - Keep the product's interior clean. Dust which has accumulated in the interior over an extended period of time may cause malfunction or fire.

Notation

Power

Installation

Cleaning and Use

Others

Others



- Do not remove cover (or back).
 - This may cause an electric shock or fire. Refer servicing to qualified service personnel.
- If your monitor does not operate normally in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact an authorized dealer or service.



This may cause an electric shock or fire.



Keep the product away from places exposed to oil, smoke or moisture; do not install inside a vehicle.

This may cause malfunction, an electric shock or fire. Especially avoid operating the monitor near water or outdoors where the monitor could be exposed to snow or rain.



If the monitor is dropped or the casing is damaged, turn the monitor off and unplug the power cord. Then contact the Service Center.

▶ The monitor may malfunction, causing an electric shock or fire.



Disconnect the plug from the outlet during storms or lightening or if it is not used for a long period of time.

Failure to do so may cause an electric shock or fire.



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

▶ This may cause a breakdown, electric shock or fire due to damage to the cable.



- Do not move the monitor right or left by pulling only the wire or the signal cable.
 - ▶ This may cause a breakdown, electric shock or fire due to damage to the cable.



- Do not cover the vents on the monitor cabinet.
 - ▶ Bad ventilation may cause a breakdown or fire.



- Do not place water containers, chemical products or small metal objects on the
 - This may cause malfunction, an electric shock or fire. If a foreign substance enters the monitor, unplug the power cord and contact the Service Center.
- Keep the product away from combustible chemical sprays or inflammable substances.



This may cause an explosion or fire.



- Never insert anything metallic into the monitor openings.
 - ▶ This may cause an electric shock, fire or injury.



- Do not insert metal objects such as chopsticks, wire and gimlet or inflammable objects such as paper and match into the vent, headphone port or AV ports.
 - It may cause a fire or an electric shock.

 If an alien substances or water flows into the product, turn the product off, unplug the power connector from the wall outlet and contact Service Center.



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



- Adjust the resolution and frequency to the levels appropriate for the model.
 - ▶ Inappropriate resolution may cause undesirable picture quality.

17 inch (43 cm) - 1280 x 1024



Watching the monitor continuously at a too close angle may result in eyesight damage.



To ease eye strain, take at least a five-minute break after every hour of using the monitor.



- Do not install the product on an unstable, uneven surface or a location prone to
 - Dropping the product may cause damage to the product or personal injury. Using the product in a location prone to vibrations may shorten the lifetime of the product or may catch fire.
- When moving the monitor, turn off and unplug the power cord. Make sure that all cables, including the antenna cable and cables connected to other devices, are disconnected before moving the monitor.



Failure to disconnect a cable may damage it and lead to fire or an electric shock.



- Place the product out of children's reach, as they could damage it by hanging onto it.
 - ▶ A falling product could cause physical damage even death.



- When not using the product for an extended time period, keep the product unplugged.
 - Otherwise, this may cause heat emission from the accumulated dirt or degraded insulation, leading to electric shock or fire.



- Do not place children's favorite objects (or anything else that may be tempting) on the product.
 - Children may try to climb on the product to retrieve an object. The product could fall, causing physical damage or even death.



- When you remove batteries from the remote, be careful that they are not swallowed by children. Keep batteries out of the reach of children.
 - If swallowed, see a doctor immediately.



- When replacing batteries, place the batteries in the correct +/- polarity position as indicated on battery holder.
 - Incorrect polarity may cause a battery to break or leak and could lead to fire, injury, or contamination (damage).



- Use only specified standard batteries. Do not use new and used batteries together.
 - This may cause a battery to break or leak and could lead to fire, injury, or contamination (damage).



- The battery (and rechargeable battery) are not ordinary refuse and must be returned for recycling purposes. The customer is responsible for returning the used or rechargeable battery for recycling purposes as the consumer of the battery.
 - The customer can return the used or rechargeable battery to a nearby public recycling center or to a store selling the same type of the battery or rechargeable battery.



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

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.





O Introduction

Features Package Contents Your Monitor Remote Control

Features

▶ What is a network monitor?



- This is a new concept monitor that accesses the PC and LAN services to display images, video clips, documents, etc. by connecting to the host PC.
- It also has an additional function that remotely connects to the host PC for Internet services, independently of the host PC.
- MagicNet, which is provided with the product, remotely accesses the network to adjust the time and type of the display contents on each network monitor as well as switching the power on/off remotely.
 - X Switching off the monitor while booting up MagicNet may cause damage.

Never turn off the monitor if any application software is running.

Features

- D-Sub Out port support for connecting directly with a projector or a wide screen display device.
- MagicContrast: Supports a contrast of up to 700:1 for deeper color tones.
- MagicSpeed: Offers a clear image with no afterimages by supporting a fast response rate of 8 ms.
- MagicStand : Allows users to adjust the height of the monitor for user convenience.

Package Contents

Please make sure the following items are included with your monitor.

If any items are missing, contact your dealer.

Contact a local dealer to buy optional items.

Unpacking



Monitor

Manual



Quick Setup Guide



Warranty Card (Not available in all locations)



User's Guide, Monitor Driver, Natural Color software, MagicTune™ software, MagicRotation software, MagicNet software

Cable







D-Sub Cable

Power Cord

LAN Cable

Others



Remote Control



Batteries (AAA X 2)

Sold separately





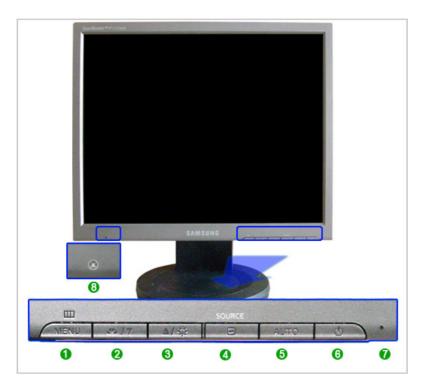
Keyboard (USB)

Mouse (USB)

Features Package Contents Your Monitor Remote Control

Your Monitor

Front



- MENU button [Ⅲ]
- MagicBright™ button
 [▲▲]

Opens the OSD menu. Also use to exit the OSD menu or return to the previous menu.

MagicBright™ is a new feature providing optimum viewing environment depending on the contents of the image you are watching. Currently six different modes are available: Custom, Text, Internet, Game, Sport and Movie. Each mode has its own preconfigured brightness value. You can easily select one of six settings by simply pressing MagicBright™ control button.

1) 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.

2) Text

For documentations or works involving heavy text.

Internet

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

4) Game

For watching motion pictures such as a game.

5) Sport

For watching motion pictures such as a sport.

Movie

For watching motion pictures such as a DVD or Video CD.

>> Click here to see an animation clip

Brightness button [O] When OSD is not on the screen, push the button to adjust brightness.

>> Click here to see an animation clip

Adjust buttons [▼/▲] Adjust items in the menu.

Enter button [@] Activates a highlighted menu item. / / SOURCE button Push the 'SOURCE', then selects the video signal while the OSD is

off.

(When the SOURCE button is pressed to change the input mode, a message appears in the upper left of the screen displaying the current

mode -- Analog or MagicNet input signal.)

6 AUTO button Use this button for auto adjustment.

>> Click here to see an animation clip

Be Power button [b] Use this button for turn the monitor on and off.

Power indicator
This light glows green during normal operation, and blinks green once

as the monitor saves your adjustments.

Remote Control Sensor Aim the remote control towards this spot on the Monitor.

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

Rear



* The configuration at the back of the monitor may vary from product to product.

Onnect the power cord for your monitor to the power port on the back of the monitor.

VGA IN port
Connect the signal cable to the 15-pin, D-sub port on the back of your monitor.

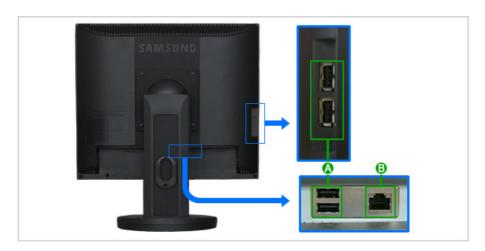
3 VGA OUT port Connect a monitor to another monitor through a D-Sub cable.

Mensington 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.
For using a locking device, contact where you purchase it. 6 Cable Fix Ring

When connecting the cable is finished, fix the cables to the Cable Fix Ring.





(USB Connection Terminal) Connect USB devices such as a mouse, keyboard and external storage devices (e.g. DSC, MP3, external storage, etc.).

(LAN Connection Terminal) Connect when using it as a monitor.

× See Connecting Cables for further information regarding cable connections.

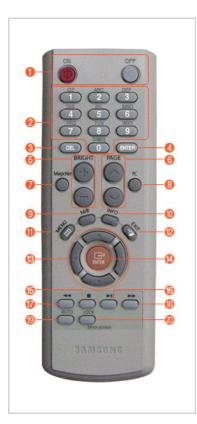
Features Package Contents Your Monitor Remote Control

Remote Control

▶ Remote Control

The performance of the remote control may be affected by a TV or other electronic devices operated near the monitor, causing malfunction due to interference with frequency.

- ON / OFF
- NUM, ENG
- **3** DEL
- 4 ENTER
- 6 BRIGHT buttons
- 6 PAGE Selection
- MagicNet
- 8 PC
- 9 M/B
- 0 INFO
- **1** MENU
- **®** EXIT
- **B**



Up-Down Left-Right buttons

(1) ENTER

AUTO

1 LOCK

MagicNet Remote Control

ON / OFF Use these buttons to turn the monitor on or off.

NUM, ENG Used to enter numbers or text in English.

SYMBOL : Used to enter symbols. (.O_-:/)

O DEL Functions as the backspace.

ENTER Activates a highlighted menu item.

BRIGHT buttons When OSD is not on the screen, push the button to adjust

brightness.

PAGE Selection Used to select a page.

MagicNet MagicNet Quick Launch Button. PC A shortcut button for analog mode.

Push the MagicBright[™] button to circle through available M/B

preconfigured modes.

INFO Displays a brief explanation about the current mode.

Use this button to open the on-screen menu and exit from the menu MENU

screen or close screen adjustment menu.

EXIT Exits from the menu screen.

Moves from one menu item to another horizontally, vertically or Up-Down Left-Right buttons

adjusts selected menu values.

ENTER Activates the selected menu item.

Stop

Play/Pause Rewind Fast forward

AUTO Adjusts an image in PC mode.

Used to either activate or deactivate all remote control and monitor panel buttons other than POWER and LOCK. 4 LOCK



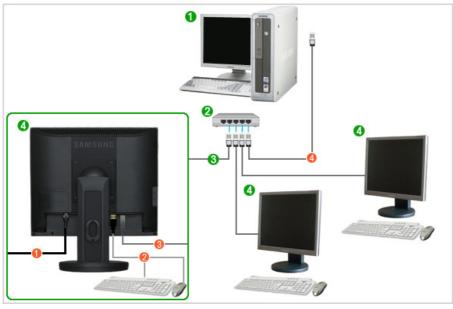


O Connections

Connecting Cables Using the Electronic Pen Using the Stand Using Other Stands

Connecting Cables

Connect to the host PC using a LAN cable



- 1 Host PC
- 2 Hub
- **(3)** LAN Cable
- 4 Monitor
- Oconnect the power cord to the power terminal at the back of the monitor.
- Connect the mouse and the keyboard to the USB ports.
- 3 Connect the LAN port on the back of the monitor and the hub.
- Ocnnect the hub and the LAN port of the host PC.
- X The host PC must have an IP address.

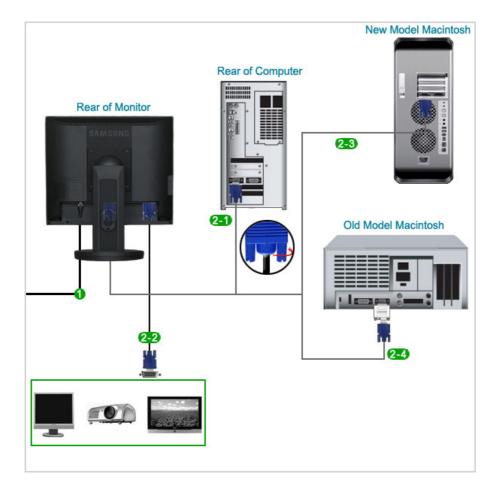
After connecting the LAN and setting the IP address, you can view the host PC screen on the monitor.

Use the VGA IN port to directly connect the monitor to a PC.

Connect to the VGA OUT port to display the same picture on another monitor such as the projector. (For presentation purposes)

Use the USB port to connect an external storage device (e.g. DSC, MP3, external storage, etc.).

Connecting Cables (When used as a normal monitor)



- Connect the power cord for your monitor to the power port on the back of the monitor. Plug the power cord for the monitor into a nearby outlet.
- Using the D-sub (Analog) connector on the video card.

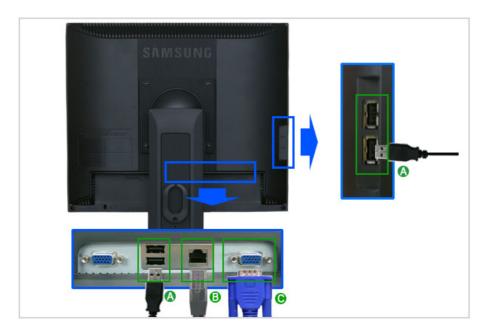
 Connect the D-Sub Cable to the VGA IN port on the back of your monitor.



- 22 To use the D-Sub (analog) output through another device (monitor, TV, projector, etc.)
 - Connect the VGA OUT port of the monitor and the D-Sub port of another device using the D-Sub cable.



- 2-3 Using Macintosh
 - Connect the monitor and the Macintosh computer using the computer connection cable.
- 24 If you are using an old model Macintosh, connect the monitor and the Macintosh using a Macintosh adaptor (sold separately).
- If the monitor and the computer are connected, you can turn them on and use them.
- External Device Connection



(USB Connection Terminal)

Connect USB devices such as a mouse, keyboard and external storage devices (e.g. DSC, MP3, external storage, etc.). (You cannot use these devices without connecting to the host PC or switching to the MagicNet.)

B LAN (LAN Connection Terminal)

Connect the LAN cable.

O-sub 15-pin port [VGA OUT]

Use it by connecting it to another monitor. (The picture of the main monitor is displayed on the connected monitor.)

Connecting Cables Using the Electronic Pen Using the Stand Using Other Stands

Using a Network Monitor

MagicNet Mode



Network Used to connect to the host PC using the MagicNet program.

It can execute a file(s) registered with the host PC. And it can also locate and run any external devices connected to other network monitors.

X When using MagicNet with MagicNet Server Program: execute Network mode.

1 Photo JPEG, BMP file format is supported.

Movie AVI, MPEG1/2, DivX 4.x, DivX 5.x file format is supported.

8 OFFICE/HTML PPT(Power Point), DOC(MS Word), XLS(MS Excel), PDF, HTML, HTM

files are displayed.

4 RDP Allows you to connect to the host PC.

Operates regardless of the running of the MagicNet server program on

the server.

Connects to the host PC in either network or device mode.

② Device Select to use MagicNet on the monitor.

It can search for an external device (DSC, MP3, Removable Storage) independently of the host PC, and run image files or video clips.

1 Photo JPEG, BMP file format is supported.

Movie AVI, MPEG1/2, DivX 4.x, DivX 5.x file format is supported.

❸ OFFICE/HTML PPT(Power Point), DOC(MS Word), XLS(MS Excel), PDF, HTML, HTM

files are displayed.

4 RDP Allows you to connect to the host PC.

Operates regardless of the running of the MagicNet server program on

the server.

Connects to the host PC in either network or device mode.

Internet Used to connect to the Internet.

Setup Allows you to adjust the connection settings of the host PC.

Schedule View Displays the schedule.

Remote Desktop Allows you to adjust the connection settings of the host PC.

TCP/IP Adjusts the TCP/IP settings.

DHCP (automatic input), STATIC (manual)

4 Homepage Allows you to change the default address of the Internet.

6 Network Setup Allows you to adjust the network settings.

6 Change Allows you to reset your password.

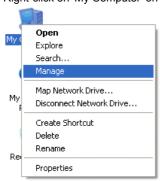
Password Administrator(when the Setup menu is selected)

User(when the Network-Photo, Movie or OFFICE/HTML menu is

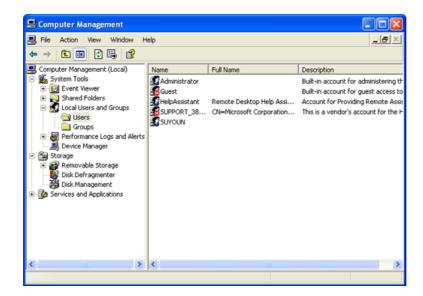
selected)

Creating an RDP account (Host PC)

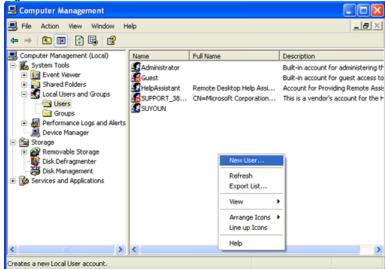
1 Right-click on 'My Computer' on the desktop and select 'Management'.



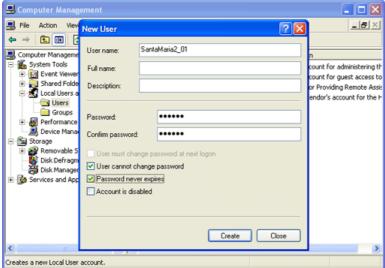




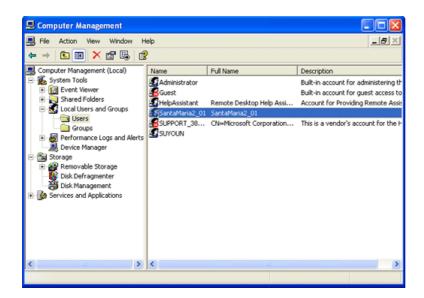
8 Right-click it and select 'New User'.



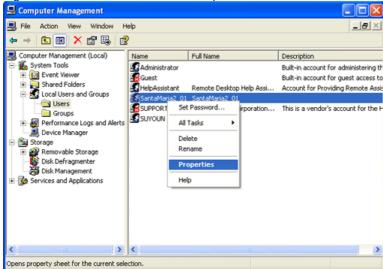
4 Enter the user name, password and properties and select 'Create'.



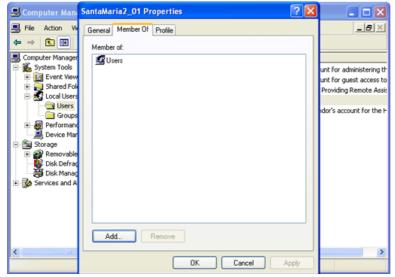
6



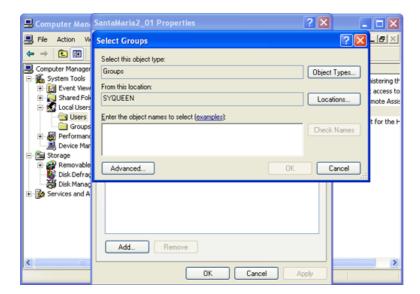
6 Right-click the new account and select 'Properties'.



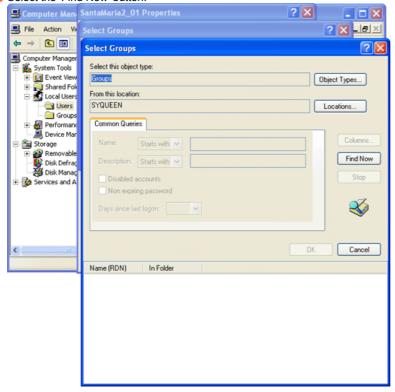
Select 'Add'.

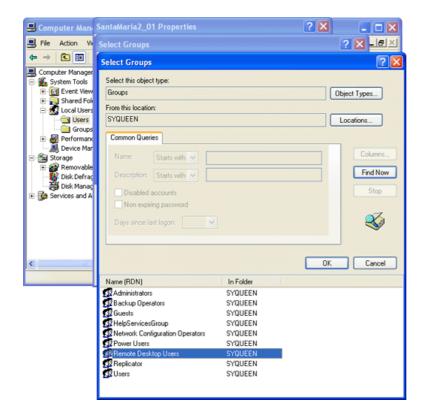


8

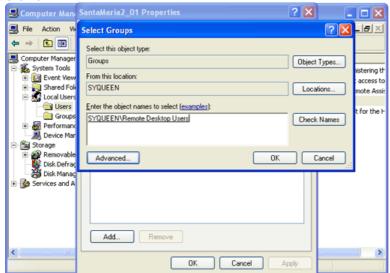


Select the 'Find Now' button.

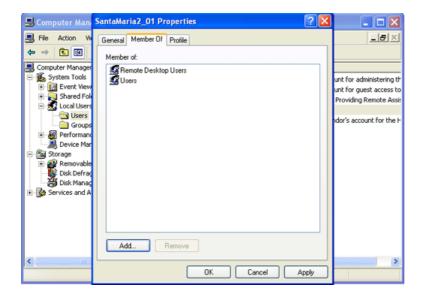




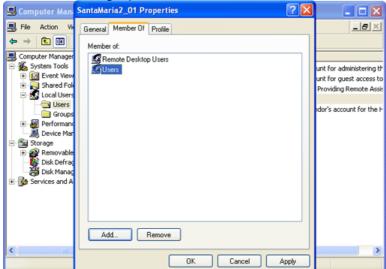
(I) Click 'OK'.



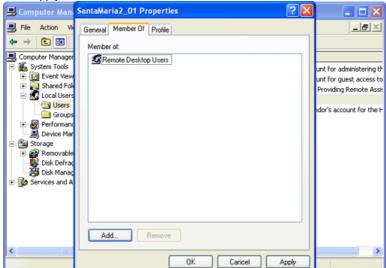
12



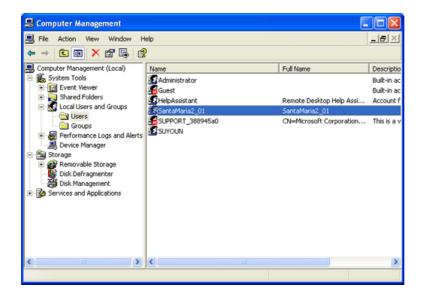
Select one of the old group and click 'Delete'.



Olick 'Apply' and then 'OK'.



15



- Other Useful Functions
- You can share a program installed on the host PC with other users.
- Before Using
 - 1 The host PC should be installed using Windows 2000/ 2003 Server.
 Windows XP Home/Professional does not support multiple access by two users at the same time.
 - If the installed OS does not recognize the mouse, disconnect it and then reconnect it.
 - MagicNet supports the FAT format and does not support other formats including NTFS.
 - 4 An error can occur when disconnecting any external device when MagicNet is booting up. Only disconnect an external device if the power is off or the PC is operating normally.
 - 6 Auto rotation can only work if the monitor is directly connected to the PC. The monitor itself does not support auto rotation.
 - 6 Windows 2000 Server OS Limitations

The server OS only supports a low color resolution (256 color).

It does not support auto connection.

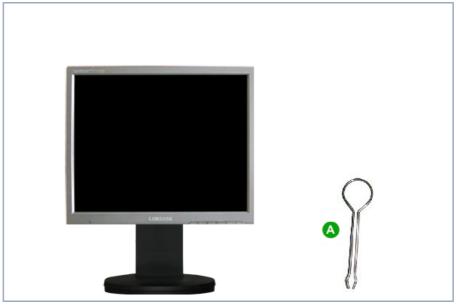
You must enter the user name and the password before making a connection even if the Save Password box is checked.

The host PC cannot search for any USB device connected to the monitor.

- You can operate MagicNet from the remote control. However, it is recommended using a USB keyboard.
- Or The OS of this product supports only Korean and English. Other languages may be displayed corrupted.
- An error may occur when disconnecting any external device when MagicNet is booting up in Device mode.
 Disconnect/connect an external device only if the power is off or the product is operating
 - Disconnect/connect an external device only if the power is off or the product is operating normally.
- Oo not unplug the LAN cable when using the network (ex: video display). Otherwise the current program may stop. In this case, you should restart the PC.
- ① Do not disconnect a USB device when it is in use (ex: video display). Otherwise the current program may stop. In this case, restart the PC.
- When MagicNet is running, pressing the SOURCE button will exit to other sources.

Using the Stand

Pivot Stand



Stand Stopper

Using the Stand



Connecting Cables Using the Electronic Pen Using the Stand Using Other Stands

Using Other Stands

Attaching a Base

× This monitor accepts a 100 mm x 100 mm VESA-compliant mounting interface pad.

You can only rotate the screen when the screen is lifted to its maximum height. Do not rotate the screen by force, as this might damage the stand.



- Monitor
- B Mounting interface pad (Sold separately)
- Turn off your monitor and unplug its power cord.
- 2 Lay the LCD monitor face-down on a flat surface with a cushion beneath it to protect the screen.
- 8 Remove four screws and then remove the stand from the LCD monitor.
- Align the mounting interface pad with the holes in the rear cover mounting Pad and secure it with four screws that came with the arm-type base, wall mount hanger or other base.





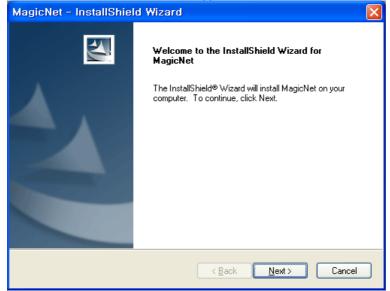
O Using the Software

MagicNet Monitor Driver Natural Color MagicTune™ MagicRotation

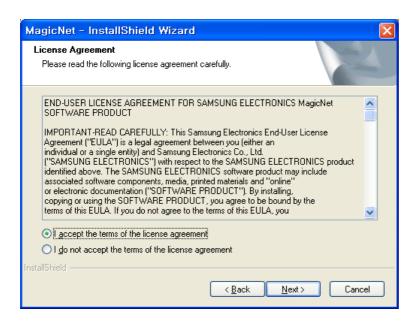
MagicNet (Host PC)

MagicNet Installation | MagicNet Help

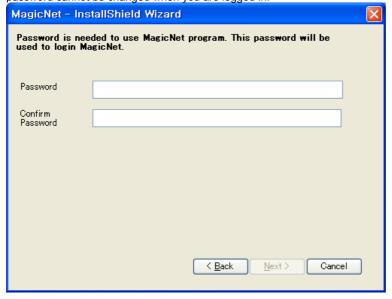
- ▶ MagicNet Installation
 - 1 Insert the installation CD into the CD-ROM drive.
 - Click the MagicNet installation file.
 - 8 Select installation Language, Click "Next".
 - 4 When the InstallShield Wizard window appears, click "Next."



6



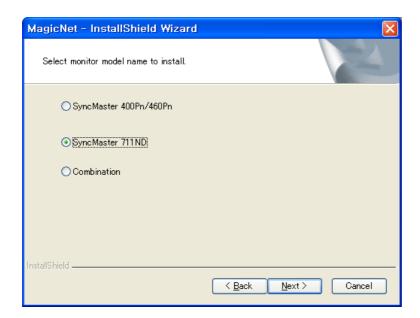
O You are required to log in to the MagicNet Server program. Please enter the password to login. The password cannot be changed when you are logged in.



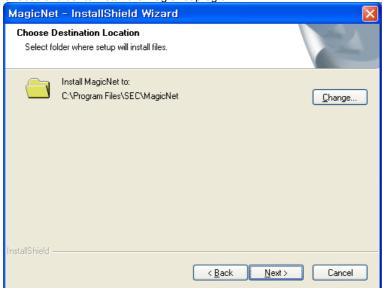
Select SyncMaster 711ND.

When selecting an Combination, install it only in the integration format of the 400Pn/460Pn and 711ND models.

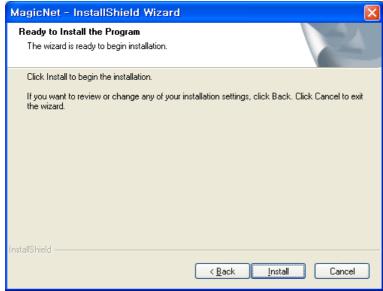
When selecting a single model, some functions may not work so make sure to install the appropriate programs.



8 Choose a folder to install the MagicNet program.

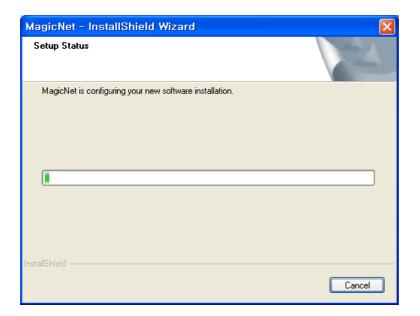


Olick "Install."

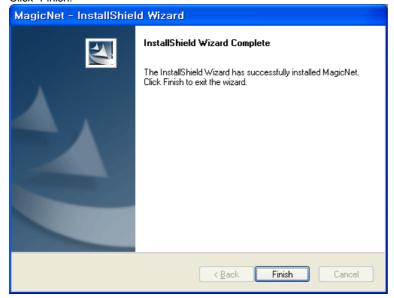


0

The "Installation Status" window appears.



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



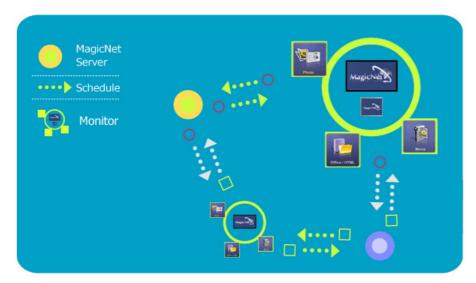
When the installation is complete, the MagicNet executable icon appears on your desktop.



MagicNet Installation | MagicNet Help

■ MagicNet Help





MagicNet transmits media files (photo and movie files) and office files (PowerPoint, Excel, Word, HTML and PDF files) existing on a server to monitors using the Ethernet network of the server/client architecture.

Several monitors can be connected to a server, and any file can be transmitted to any monitor over the network.

Files can be transmitted in two ways: the server sends files to the monitors after registering with the schedule; or the monitor searches for the files registered in the library of the server, sends the files to the monitors, and plays those files after receiving them via the network. When more than one server is connected, you can select a server from the monitor and receive the schedule.

Each monitor is capable of accessing the Internet by itself.

Servers and monitors are connected over the network, and each server and monitor has a proper name to confirm each other.

Hence, the name of the server must be identical between the server and the clients for a normal connection.

That is, when a server's name is "MagicNet", only monitors set to "MagicNet" can be connected to this server.

When a server name does not exist under the name set in the monitor, it will wait until the server with the identical name appears.

However, when the auto connection function is on, it will try to connect to other servers, and will connect to the server that gives the first reply.

Added Functions in MagicNet

1. Multiple Display Control (MDC)

The Multiple Display Control (MDC) is a newly added function in MagicNet, which can easily control several monitors from a PC simultaneously.

MDC checks and controls the status of monitors that normally connect via the network.

2. Account Management

This function prevents a random user from freely using MagicNet, by placing limits on the operation of functions according to the account privilege.

3. Update

You can update a monitor's MagicNet from the server. However, this function only works when it is connected to a server/monitor with MagicNet2 or higher.

4. Controlling Local Storage Devices/USB File Control of Monitors

You can copy or Deletes to a monitor's local storage device or via USB connected to the monitor.

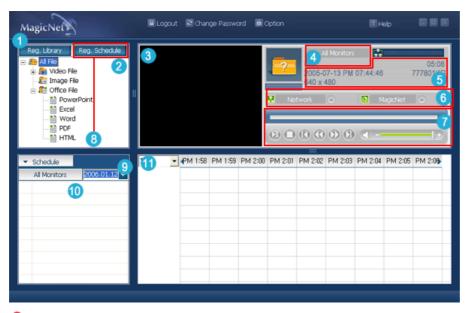
Introduction to MagicNet | Schedule OSD | MDC Adjustment | Upper | Remote Control Adjustment | Removing Program | Troubleshooting | Specifications

Schedule OSD



The server program's Power-On option works only if the monitor's power is completely shut off.

Please make sure not to use the Power-On option when the monitor is in the process of shutting up since it can possibly cause systematic error on the monitor.



- Registering to the Library
- 2 Library List
- **1 Monitor Preview Window**
- Metwork
- **6** File Information
- 1 MagicNet/Network On/Off Status or Image Selection Menu
- Play Control Tool
- Registering / the Schedule

9 Date
Monitors connected via the Network
1 Fields Window
1 Registering to the Library AUP
Registering to the Library
The library consists of a collection of files which can be played from a monitor connected to the MagicNet program. The monitor can only play files with the supported formats registered in the library. The library only accepts files of the supported formats.
 Press the "Reg. Library" button to select files that can be registered to the library. It has been designed in such a way that only files playable by a monitor can be registered. The selected files are analyzed and the result is displayed.
 Files added to the library are first, automatically classified in the list (2) as movie, audio, photo and office files, and then they are further classified according to the file type. The Fields window (1) displays the registered files and their information.
② Library List △Up

Files added to the library are first, automatically classified in the list as movie, photo and office files, and then they are further classified according to their properties.

- All file : Displays all files which are registered in the library.
- Video File : Classified by actor (actress)
- Image File
- Office file : Classified by file type (PowerPoint, Excel, Word, PDF, HTML)

Monitor Preview Window ▲Up

This window is used either to preview a file (a movie or photo file) registered in the library list (2) and selected in the fields window (11), or to monitor a monitor.

• Playing a file registered in the library
Click on a classification in the library list (2), and the files under the selected classification are
displayed in the fields window 1). Then, double-click on a file in the fields window to play it.
While playing, the file information is displayed in (5) Only audio, movie, and mage files can be played. For office files, only file information is displayed in (6). However, if monitoring for a monitor is proceeding, the information being monitored is displayed instead.

Metwork ▲Up

The status bar next to the monitor name will display the overall network status (traffic) of all the monitors connected to the server. For example, assume that the network system capability is 100Mbs and a 100Mbs network card is installed in the server. If there is no network traffic used for other purposes, three monitors are connected, and each monitor uses 10Mbs of traffic, the progression will be indicated as about 30%.

- Server PC Environment : Recommended (CPU : 3GHz, RAM :512M, Ethernet : 100M)
 - Network Environment: Local network not connected externally
- Normal : Server PC network bandwidth: 50 % ~ 60 %
 - Max : Server PC network bandwidth: 90 % or more (not recommended)
- For a LAN-connected environment, the connectable number of devices may be reduced depending on the availability of neighboring networks.

6 File Information ▲Up

This will display the name, date, size and resolution of the current file.

6 MagicNet/Network On/Off Status or Image Selection Menu ▲ Up

Displays the On and Off status for the power and the network. Selecting an image file will change to the appropriate image menu.

Extended Image Menu



Slide Show

- When the files are selected in the library list :
- Sequentially displays the image files registered to the library.
- When monitoring information is being played from a schedule:
 Displays the image files registered to the schedule.
- When the files are selected in the library list : Displays the previous file.

Previous

When monitoring information is being played from a schedule:
 Displays the previous file.

Next

- When the files are selected in the library list:
 Displays the next file.
- When monitoring information is being played from a schedule :

	Displays the next file.
	 When the files are selected in the library list: Stops the slide show. When monitoring information is being played from a schedule:
Stop	Stops the slide show. • When monitoring the information which the monitor user is selecting
	and playing : This function is disabled.
Full Screen	Enlarges/shrinks an image file to fit to the full screen. Double-click the screen to return to the original image size.

Play Control Tool -Up

Controls for play, stop, next file, previous file when playing a movie file.

	When the files are selected in the library list: Plays the audio/movie files registered with the library list.
Play / Pause	 When monitoring information is being played from a schedule : Plays the audio/movie files registered with the schedule.
Stop	When the files are selected in the library list : Stops playing an audio/movie file.
(0)	When the files are selected in the library list : Plays the previous/next file in the library list.
Previous/Next	 When monitoring information is being played from a schedule : Plays the previous/next file in the schedule list.
(1)	When the files are selected in the library list : Plays the first/last 5 seconds of the file.
first/last 5 seconds	 When monitoring information is being played from a schedule: Plays the first/last 5 seconds of the file.

Registering/Editing the Schedule ▲Up

Allows you to register the files to be run on the monitor in advance.

Schedule Register Menu

• Library: Registering the schedule through the library
Among the files on the server PC, files that are added through the registration procedures in the library can be registered with the schedule.

- When selecting a file from among the files already registered, or selecting a random file from the schedule registration window, the file is selected as a schedule file through the library registration procedures.
- 2. When selecting an image file for the schedule file, you can add background music from among the following music files. If a schedule file is not an image file, the add/delete button for the background music is not activated.
- Storage (Local/USB): Registering the Storage (Local/USB) File Schedule You can select a file from among the local storage of the monitor, or from the USB connected to the monitor to register the selected file with the schedule.
 - From the monitor list, select a monitor where the schedule is to be registered.
 The add/delete button of the schedule file is only activated when selecting a monitor that is currently connected to the server.
 - You can add a file from the local storage device of the monitor, or from the USB connected to the monitor by pressing the add button. In this case, it will not go through the library registration procedures on the server.

. Input/Power: Registering the Input/Power Schedule

You can register the input source or Power Off for the monitor with the schedule.

- 1. You can schedule a change of the output source or the power for the monitor.
- 2. After selecting a monitor where the schedule is to be registered in the monitor list, select an input source or Power Off from the Input/Power Selection.
- Set the schedule time and press the confirm button.
 It will change into the registered output source at the start of the schedule, and it will correctly return to the MagicNet Menu screen when the schedule is over.

1. Selecting a Monitor

Selecting either all monitors or a specific monitor, where the schedule will be added to, is available from among the monitors connected via the network.

2. Schedule a File Add/Delete

You can select, add or delete the file to be added to the schedule.

3. Schedule

o Start Time

This means the starting time of a schedule, which can be entered in years/months/days/Hour/Minute. It is possible to set the start time of a schedule within 7 days of the current day, however setting a time later than 7 days from now is not available.

o Total Run Time

The total period of time reserved in the schedule

Repeat Function

- In repeating the schedule at an interval of a day/week/month, select the interval to be repeated and the date for completing the repeat. The end date of such a repetition can be set within 1 year of the current date.
- If you do not select the repeat option or do not select the end date of the repetition, the schedule will be added once by default.

4. Options

$\circ \ \ \textbf{Insert between Existing Schedules}$

- This means that a new time schedule is added without affecting the total playing time of the old schedule.
- If the start time of the new schedule overlaps with the end time of the old one, the start time of the new schedule is adjusted to after the end of the old one.
- If the end time overlaps with the start time, it will be adjusted to before the start time

o Ignore/Overwrite Existing Schedules

Existing schedules are ignored, and a new user schedule overwrites at the required time. If the new schedule overlaps with an existing schedule, the time of the existing schedule can be changed or even be deleted, since it is overwritten by the new schedule.

Date
 Date

Displays the registered schedules in the Fields window ((9)) whose date are later than today ((11)).

Monitors Connected via the Network Aup

Lists the names of monitors registered via the network. When a monitor is connected to the network, its background color changes to yellow-green.

· Reconnect to the other server automatically

- When selecting a monitor that is currently connected to a server in the monitor list and right-clicking it with the mouse, you can see an item titled 'Reconnect to the other server automatically'.
- When selecting 'Reconnect to the other server automatically', the field in front of the menu item is marked, and will also be marked in the option Setup → Network Setup 'Reconnect to the other server automatically' in the monitor.
- Selecting this menu enables a monitor to search for another server and connect to a found server when the connection to the server with the name defined in the Setup is not available.
 Let's say there are two servers called S1 and S2, respectively, and a monitor called

Let's say there are two servers called S1 and S2, respectively, and a monitor called C, which is currently connected to the S1 server. When the connection to S1 fails or stops, C will automatically be connected to the S2 server.

Update

- When selecting a monitor that is currently connected to a server in the monitor list and right-clicking it with the mouse, you can see an item titled 'Update' in the menu. This item enables you to update MagicNet (File name: NK.bin) on the monitor.
- 2. This item will be deactivated in monitors that are not connected to a server.
- 3. If you select the Update item, a window pops up. Search for the path to NK.bin, select it, and click the Update button.

The update will proceed in two steps:

- Download (Save the update file in the monitor) → Update (MagicNet installation)
- You may cancel this function during the download stage, but not during the update stage.
- 5. Once the update is completed, the monitor will reboot automatically.
- 6. If you try updating with an abnormal file, a warning message will appear, and the update will not proceed.
- 7. Please make sure that the power of the monitor is not turned off while updating once the download is over.

Furthermore, if the output source is a PC, please turn off the 'monitor off' function in the power options of the connected PC for the duration of the update.

MagicNet is not operating normally.

If the power turns off during the update, contact our After-Sales Service Center.

• Schedule Check

1. Select All Monitors :

Checks on all schedules of the registered monitors are available in the (1) field. Right-clicking the mouse can turn the power ON or OFF as well as deleting the field.

In addition, you can change the name of the monitors.



The server program's Power-On option works only if the monitor's power is completely shut off. Please make sure not to use the Power-On option when the monitor is in the process of shutting up since it can possibly cause systemetic error on the monitor.

2. Select Monitor:

The schedules of the relevant monitor is queued.

Rename

Type a new name and click confirm. The new name will be saved.

Displays the status of a file.

- When selecting All Monitors in the Schedule, you can view all schedules registered for each monitor.
- Control the time by double-clicking on a schedule.
- When a monitor is selected in the monitor list. Displays the file name including the path, category, start time, end time and playtime.
- 1. When the All Monitors entry is clicked in the monitor list (10), schedules are not displayed in a list, but with images of a box type. The schedules for all monitors in the monitor list are displayed here. You can control the time by double clicking on a box type schedule, dragging and dropping a schedule to move it to a different position, and cut, delete and paste a schedule by using the menus displayed when the right mouse button is clicked.
- 2. When you click on a monitor in the monitor list (10), the schedules for that monitor are displayed in the list. Right-clicking on a schedule list displays a context menu, allowing you to copy, delete, or edit it. By using the Edit menu, you can change the selected file and time. By using the Copy menu, you can select a monitor to copy.
- The files registered to the library are displayed in a list. Right-clicking a file in the list displays a menu, allowing you to view properties for a schedule and deleting a schedule, depending on the kind of menu. You can also directly insert the selected file into a schedule.

Introduction to Schedule Adjustment Upper Control Adjustment Remote Control Adjustment Troubleshooting Specifications

MDC Adjustment

Multiple Display Control (MDC) is a function for easily controlling several monitors from a PC. MDC checks and controls the status of monitors that normally connect via the network.

How to Control

- When selecting MDC from the monitor list window, the monitoring window and the schedule window change into a window showing the monitor status and the control window, respectively.
- 2. First, select the monitor to apply in the client list window.
- 3. If you choose All Monitors, all monitors will be selected.
- If you try to run the detailed functions for each tab without first selecting a monitor, a warning message will appear.
- 5. After selecting a monitor, click each MDC tab to run the detailed functions.

In this case, when running menus that cannot be adjusted in the output source, the warning 'Adjustment unavailable' will appear.

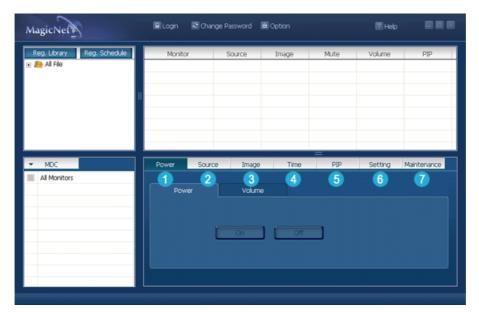
Furthermore, when running adjustable menus, the selected values will be applied to the monitor, and the results will be applied to the MDC status window.

If not applied to the monitor, it will also not be applied to the MDC status window.

◬

The MDC functions comply with the specifications for running the monitor.

MDC OSD (SyncMaster 400Pn/460Pn)

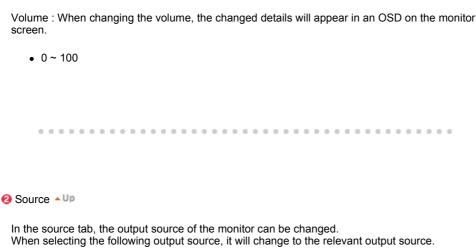


- Power
- **3** SOURCE
- Image
- **4** Time
- **6** PIP
- Setting
- Maintenance

● Power ► Up

Power: Select Power ON/OFF.

- ON
- OFF



When selecting the following output source, it will change to the relevant output source. When the relevant device is not connected, a screen with 'Connection required' will appear.

- PC
- BNC
- DVI
- AV
- S-Video
- Component
- MagicNet

Image Size

Image ▲ Up

You can adjust the size of the current image from TV/AV sources other than PC.

1. Size

Choose one of the following options to adjust the size accordingly.

- 16:9
- Panorama
- Zoom 1
- Zoom 2

2. Color

In TV/AV sources other than from PC Adjusts the contrast, brightness, color density, tone and background color of the monitor.

- Contrast
- Brightness
- Sharpness
- Color
- Tint
- Color Tone

Image Size PC

Adjusts the size of a PC image.

1. Size

Choose one of the following options to adjust the size accordingly. A warning message appears when trying to adjust the image size from unavailable

sources.

- 16:9
- 4:3

2. Color

In TV/AV sources from the PC Adjusts the contrast, brightness and R,G,B.

- Contrast
- Brightness
- Red
- Green
- Blue

Time ▲Up

1. Current Time

Establishes the standard time of the monitor.

In Hour, Minute and AM/PM, select the time, and click the Apply button.

The current standard time of the monitor will be set.

To activate the On/Off Timer at the set time, the Current Time must be set.

- Hour
- Minute
- AM/PM

2. On Timer

Select the time, output source and volume, and click the Apply button. The monitor will turn on with the established source and volume at the established time. When Activated is OFF, the ON Timer will not work.

- Hour
- Minute
- AM/PM
- ActivatedSource
- Volume

3 Off Timer

Select the time and click the Apply button. The monitor will turn off at the set time. When Activated is OFF, the Off Timer will not work.

- Hour
- Minute
- AM/PM
- Activated

6 PIP ▲Up

1. Size

Select a size. (The size selection has an 'ON' function)

Off

- Large
- Small
- Double1
- Double2
- Double3
- 2. Source

When selecting sources to be output to PIP, the relevant source will be applied to PIP. When trying to change a source where PIP cannot be applied or the combination of Main/Sub is incompatible, a warning message will appear on the monitor.

- PC
- BNC
- DVI
- AV
- S-Video
- Component

⑤ Setting ▲Up

1. Audio

Adjust the Bass, Treble and Balance, and set Main/Sub for the Sound Select of Dolby Virtual ON/OFF, BBE ON/OFF and PIP. In the course of making adjustments, changes appear as OSDs on the monitor screen.

- Bass
- Treble
- Balance
- Dolby Virtual
- BBE
- Sound Select

2. Image Lock

Coarse, Fine, and select Position.

- Coarse
- Fine
- Position
- Auto Adjustment

Maintenance - Up

1. Lamp Control

You can control the intensity of the lamp.

(Auto/Manual is available. When Auto is running, Manual is off; and when Manual is running, Auto is off.)

In Auto mode, the lamp is adjusted to the previously set value at the set time. In Manual, the previous value is maintained.

- Auto
- Hour
- Minute
- AM/PM
- Value

Manual

2. Scroll

This function prevents the screen status changing when the same screen is maintained continuously.

If you select the Period and Time and press the Apply button, the screen will scroll downwards at the speed of the previously set time in Period.

For example, for Period 1, Time 5, the screen will be renewed every hour at a speed of 5 seconds.

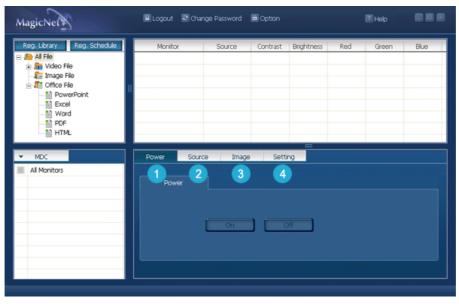
- Period
- Time

3. Video Wall

This offers a function that enables you to use several monitors as one screen. First, select the button that sets the number of monitors to be used and their allocation. The allocation figure will appear as a selectable button on the side.

For example, when you choose 2*2, selectable buttons in the form of 2 rows and 2 lines appear, and if you select number 3 in this matrix, the third screen of the output screen divided by 4 will show up in the monitor.

- 2*2
- 3*34*4
- 1*5
- 5*1 • OFF
- Format
- MDC OSD (SyncMaster 711ND)



Power

Source

Image

Setting

Power Aup
Select Power ON/OFF.
• ON • OFF
Source ~Up
Select an external source to adjust.
PCMagicNet
Image ~Up
Adjusts the color density, MagicBright and Reset.
 Color MagicBright Reset
3 Setting ▲Up
Adjusts the settings for the picture quality, position and auto adjustment.
 Coarse Fine Position Auto Adjustment

Message

When entering a message to the server and setting the options needed before sending it, the message is displayed on the selected client monitor.

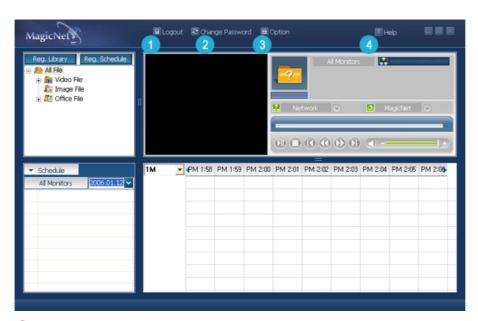
- Display Option:
 - Displays a sentence one line at a time.



- Start : Displays a message on the selected monitor.
- Stop: Stops displaying a message on the selected monitor.
- Clear: Allows you to change the text in the message edit box.
- Display Period : Marked in Hour and Minute.
- Font : Allows you to specify the point size, text color and background color.
- Position : Displays the text at the top or bottom.

Introduction to | Schedule | MDC | Upper | Remote | Control | Adjustment | Menu | Remote | Program | Troubleshooting | Specifications

Upper Menu



- 1 Login / Logout
- 2 Change Password
- Options
- 4 Help

Login / Logout ▲Up

Before using MagicNet, you first need to login. After a successful login, the Login button changes to a Logout button. A successful login is required to use the majority of functions. When installing MagicNet for the first time, the administrator account is provided on the basis of the password entered by the user. When adding an account, you can select from among three account types, and the selected account type decides the scope of using MagicNet. You may modify or delete the accounts of existing users as well as adding new users.

Account Type	Scope
Administrator	You have the authority to use all MagicNet functions.
Power User	You are not authorized to use the Options menu and the Update function of MagicNet.
Operator	You are not authorized to use the right mouse button click in the Library Registration, Options menu, MDC and Monitor List from among the MagicNet functions.

- User Name
- Password
- · Acconunt Type

② Change Password ▲Up

You can change your password in the login status.

Enter your password correctly before logging in.

You will be prompted to enter the password for installing MagicNet, and this password will become the default password for the administrator account.

If you forget the password, please remove the program and re-install it.

- Old Passworld
- new password
- Confirm Passworld



1. Server Name

In the Options, you can specify the server name for the connection information. The servers and monitors are connected via the network, and have proper names to identify each other. For a normal connection, the server name between a server and monitor must match. In other words, when the name of a server is MagicNet, only monitors whose server names are set to "MagicNet" can be connected to that server and receive the schedule. When there is no server with that name set in the monitor, it will wait until a server that matches this name appears. However, when the auto connection function is ON, it tries to connect to any server, and will connect to the server that replies first.

• Server Name

2. User Account

When installing MagicNet for the first time, the administrator account is provided on the basis of the password entered by the user.

When adding an account, select from among three account types, and the selected account type decides the scope of using MagicNet. You may modify or delete the accounts of existing users as well as adding new users.

Account Type Scope

Administrator You have the authority to use all functions of MagicNet.

Power User You are not authorized to use the Options menu and the Update function from

among the MagicNet functions.

You are not authorized to use the right mouse button click in the Library

Operator Registration, Options menu, MDC and Monitor List from among the MagicNet

functions.

- Create
- Modify
- Delete

3. File Manager

File manager copies or deletes files.

Copying files can be done either from Server Folder → Server Folder, Server → Monitor, Monitor → Monitor. A copy from a monitor to another is available only on the same monitor (i.e. different hard drives o nthe same monitor). In the Select Monitor list, only My Computer of the server and the monitor that is correctly connected to the server will appear.

Copy Delete

When selecting Options → File Manager, the File Management window appears. You can select a server/monitor from the select list. When selecting a monitor from the left window, you are only allowed to select the same monitor. After selecting the copy target, press the copy button. Copying the file will proceed. If the copy target is not a Photo/Music/Movie/Office file, an error message will appear, and copying will stop. In addition, when the file size exceeds the remaining capacity of the target drive, copying will also stop.

Select the file to be deleted using the same procedure as for copying a file, and click the delete button. The file will be completely deleted from the drive. (The list will be updated promptly.)

However, if you try to delete a file that is currently running, the error message "Unable to Delete" will appear.

- Copy
- Delete

4. Network Device

You can select a network device connected to the monitor. This is useful, especially if there are multiple devices running on the PC.

- OK
- Cancel

5 Monitor Update

You can update multiple monitors at the same time. This is useful when needing to update multiple monitors at the same time.

When selecting a file to update and the update utility file (NK.bin) and clicking Update, the update process is done in two steps. Download (stores the update file on the monitor) \rightarrow Update (installs MagicNet).

When done, the monitor restarts automatically.

If an error (wrong file) is detected during this process, a warning message appears and the update process stops.

When the download is completed, make sure to keep the monitor turned on during the update. And, if the output source is a PC, make sure the monitor-off function, if any, of the PC is not activated.

Otherwise MagicNet may not operate properly. If the monitor turns off during the update process, contact our customer service.

Monitor Update

6. Monitor Model

If the monitor to the server is changed to SyncMaster 400Pn/460Pn or an integral model (mixed type), the server will be adjusted according to the model.

Note that the supportable file formats, MDC and message-related functions will vary depending on the selected monitor model.

- SyncMaster 400Pn/460Pn
- SyncMaster 711ND
- Combination



1. Help

Runs program help.

2. About MagicNet

Indicates the program version and the copyright details.

Introduction to Schedule Adjustment | Upper Menu | Remote Control Adjustment | Removing Program | Troubleshooting | Specifications

Remote Control Adjustment

! РНОТО

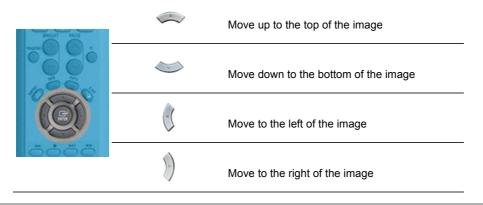
Supported File Formats
Image File : JPG, BMP

📀 Remote Control

• When the files are selected in the library list.



• When you see no menu in a zoomed-in picture



■ MUSIC (Applicable only to SyncMaster 400Pn/460Pn)

Supported File Formats Music File: MP3

Remote Control

• When the files are selected in the library list.

	▶II	File view on the cursor position / Play / Pause during playback
		Stop playing
BRIGHT PAGE	**	Play in 5 seconds
000	>>	Play 5 seconds earlier
		Move to the next file (when the cursor is placed at the top, it will go back to the last file of the previous page)
0000	\(\times\)	Move to the previous file (when the cursor is placed at the bottom, it will move to the first file of the next page)
	0	Move to the next page (when the current page is the first, it will move to the last page)
	•	Move to the previous page (when the current page is the last, it will move to the first page)
	C2 NTE	File view on the cursor position Play

Supported File Formats

Video File: MPEG1/2, DivX 4.x/5.x (SyncMaster 400Pn/460Pn)

Video File: MPEG1/2/4, DivX 4.x/5.x, WMV9 (SyncMaster 711ND)

Remote Control

• When the files are selected in the library list

		<u> </u>
BRIGHT PAGE	*	Move to the top (when the cursor is placed at the top, it will go back to the last file of the previous page)
000	*	Move to the bottom (when the cursor is placed at the bottom, it will move to the first file of the next page)
		Move to the next page (when the current page is the first, it will move to the last page)
41 41 41		Move to the previous page (when the current page is the last, it will move to the first page)
	NTER	File view on the cursor position Play
• Play		
MIGHT MCA	►II	Play / Pause during playback
	•	Stop playing
	**	Play 5 seconds earlier
		Play in 5 seconds

₩ OFFICE

Supported File Formats

Office File: MS Office(Word, Excel, Power Point), HTML, PDF

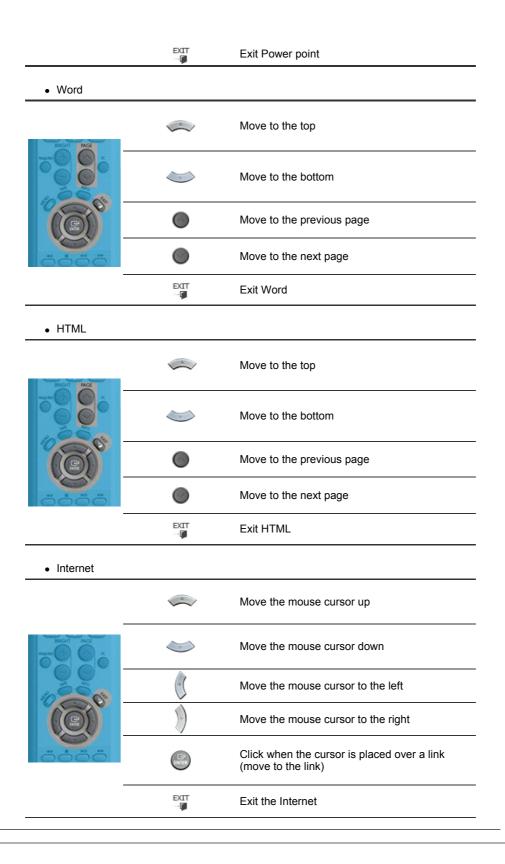
Remote Control

• When the files are selected in the library list

vvnen the files are selected in the library list				
MIGHT MAGE	*	Move to the top (when the cursor is placed at the top, it will go back to the last file of the previous page)		
	₩	Move to the bottom (when the cursor is placed at the bottom, it will move to the first file of the next page)		
		Move to the next page (when the current page is the first, it will move to the last page)		
		Move to the previous page (when the current page is the last, it will move to the first page)		
10000	(C) (NTER	File view on the cursor position		
• PDF				
		Move to the top		

Move to the bottom

Map No Co		Move to the next page
10000		Move to the previous page
	EXIT •	Exit PDF
• Excel		
		Move to the upper cell
_	(Move to the lower cell
MAGE	()	Move to the left cell
		Move to the right cell
0000		Move to the previous page
		Move to the next page
	44	Move to the right sheet
_	bb	Move to the left sheet
_	EXIT 📮	Exit Excel
Power point No.	ormal	
	(20)	Move to the top
BRIGHT PACE		Move to the previous page
	0	Move to the previous page
	•	Move to the next page
0000	►ii	Slideshow
	EXIT 📮	Exit Power point
Power point Sli	deshow	
		Stop slideshow
Magazie A C		Move to the top
080	*	Move to the bottom
		Move to the previous page
0000		Move to the next page
_		



Introduction to Schedule MDC Upper Adjustment Upper Adjustment Remote Control Adjustment Remote Control Adjustment Troubleshooting Specifications



To remove MagicNet, complete the following steps.

- Select [Start] → [Settings] → [Control Panel].
- 2. For Windows XP, select [Start] → [Control Panel].
- 3. Double-click the [Add or Remove Programs] icon in the Control Panel.
- 4. Click the MagicNet in the [Add or Remove Programs] window to highlight it.
- 5. Click [Change/Remove] to remove it.
- 6. Click OK to start removal of MagicNet.
- 7. Wait until the window appears which indicates that program removal is completed.

Introduction to Schedule OSD Adjustment Menu Remote Control Adjustment Remote Control Adjustment Remote Control Program Troubleshooting Specifications

In Preview, the file information can be viewed but not the image



Office files are not displayed. Check the file for the format. When there is no codec available for the server, no file is displayed. Check the codec first.

Conflicts between codecs may occur when various kinds of codecs are installed on one PC, which results in a program error. And the incomplete installation of a codec may result in a program malfunction and file playback error.

? In a Preview, the program does not operate



When you play a movie or music file in Preview, the player does not operate and stops to check if the codec is available. Note that conflicts between codecs may occur when various kinds of codecs are installed on one PC, which results in a program error. And the incomplete installation of a codec may result in a program malfunction and file playback error.

? When a schedule does not run properly at the designated time :



Please check the status of MagicNet for the monitor and that of the network. Furthermore, please confirm if the schedule pause function is activated for the monitor. Schedules will only run when the status of MagicNet and the Network are ON, and will not run when the monitor schedule is paused.

When the power goes off and returns or the network is disconnected and reconnected, the current schedule returns to the start.

? When the monitor icon is displayed in sky blue not green (normal operation) :



This may occur when the network configuration is normal but the connection between the server and the monitor is not functioning properly. This may occur when the monitor is connected to another server, not the corresponding one, or the network status is not normal.

Please check the monitor for the network connection.

? Password/Login



The password entered by the user when installing MagicNet will become the default password of the administrator account.

If you forget your password, please remove the program and install it again.

Specifications

Bupported File Format Spec (SyncMaster 400Pn/460Pn)

			Bitrate		Audio	
	File Format	Resolution	CBR	VBR	Sampling rate	
Video	MPEG1 MPEG2 (PS) DivX 4.x DivX 5.x	720x480 or less	9Mbps or less	Peak bitate 9Mbps or less	- - -	
Audio	MP3	-	Available	Not Available	16kHz or more	
Photo	JPEG BMP	3500 x 2625 or less	-	-	-	
Office	Excel (5M	or less), Word (5M	or less), Power Point (10	M or less), PDF (10M or less)	

- For MPEG2, only PS (Program Stream) is supported and TS (Transport Stream) is not.
- For JPEG, the EXIF Format (Digital Camera) is not supported.
- An Office file may take some time to be displayed on the monitor, depending on the file size.

Supported File Format Spec (SyncMaster 711ND)

			Bit	Audio	
	File Format	Resolution	CBR	VBR	Sampling rate
Vidoo	MPEG1/2/4,	1920x1080 or	20Mbps or less	Peak bitate	
Video	DivX 4.x/5.x, WMV9	less	Zulvibps of less	24Mbps or less	-
Photo	JPEG	3500 x 2625	-	-	-
riioto	BMP	or less	-	-	-
Office	Excel (5M or	less), Word (5M	or less), Power Point	(10M or less), PDF (10	OM or less)

- For JPEG, the EXIF Format (Digital Camera) is not supported.
- An Office file may take some time to be displayed on the monitor, depending on the file size.

📀 Office file viewer limitations

There is no support for files created in versions of Microsoft Office earlier than Office 97; there is no support for the Microsoft Visual Basic® macro programming language.

If sufficient memory for temporary file storage is not available on a Windows CE-based device, very large documents or documents that contain large graphical elements may not open, or may not display all of the content.

• Network Configuration (Number of Devices)

	Bitrate	Normal	Max
	4Mbps	10	20
Video	6 Mbps	8	16
	9 Mbps	5	9
Photo	-	20 or more	-

- Server PC Environment: Recommended (CPU: 3GHz, RAM:512M, Ethernet: 100M)
- Network Environment: Local network not connected externally
 - Normal: Server PC network bandwidth: 50 % ~ 60 %
 - Max : Server PC network bandwidth: 90 % or more (not recommended)

- For a LAN-connected environment, the connectable number of devices may be reduced depending on the availability of neighboring networks.
- Server System Configuration

	CPU	RAM	Ethernet	os	Application
Minimum	P1.8	256 M	400.14	Windows XP	
Recommended	P3.0 Ghz	512 M	100 M	Windows 2000 (Service Pack 4)	WMP 9 or later

- Local Device (USB) Connection Speed
- √ For a mass storage device such as a USB hard disk, it takes approximately 3 4 seconds for loading 1 GB.
- + Local Device (USB) compatibility
- ♦ HID(Human Interface Devices): Keyboard, Mouse
- MSC(Mass Storage Class): Devices using the SCSI(Small Computer System Interface) command set: FAT (File Allocation Table) System

Exception

- : Some manufacturers have wrongly specified their device to be USB standard compatible. Our product has exception handling procedures. But Some devices are unlikely to work properly.
- : Some manufacturers have wrongly specified their device to be SCSI compatible. Such devices are unlikely to work properly.
- : It is recommended that USB devices are purchased after they are tested and confirmed to be compatible.



MagicNet Monitor Driver Natural Color MagicTune™ MagicRotation

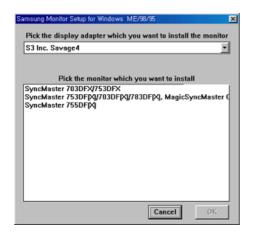
Monitor Driver

When prompted by the operating system for the monitor driver, insert the CD-ROM included with this monitor. Driver installation is slightly different from one operating system to another. Follow the directions appropriate for the operating system you have.

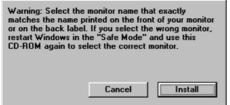
Prepare a blank disk and download the driver program file at the Internet web site shown here.

- Installing the Monitor Driver (Automatic)
- Windows ME
 - 1 Insert CD into the CD-ROM drive.
 - Click "Windows ME Driver".
 - 3

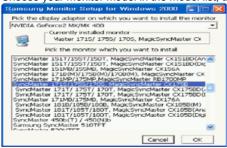
Choose your monitor model in the model list, then click the "OK" button.



Olick the "Install" button in the "Warning" window.



- 6 Monitor driver installation is completed.
- Windows XP/2000
 - 1 Insert CD into the CD-ROM drive.
 - Olick "Windows XP/2000 Driver".
 - 8 Choose your monitor model in the model list, then click the "OK" button.



If you can see following message window, then click the "Continue Anyway" button. Then click "OK" button.



* This monitor driver is under certifying MS logo, and this installation don't damage your system

The certified driver will be posted on Samsung Monitor Homepage

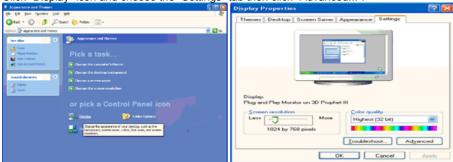
http://www.samsung.com/

- 6 Monitor driver installation is completed.
- Installing the Monitor Driver (Manual)

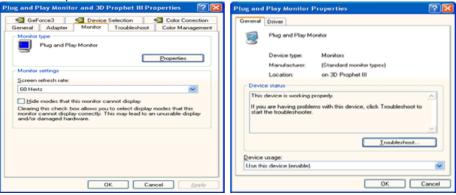
- Microsoft[®] Windows[®] XP Operating System
 - 1 Insert CD into the CD-ROM drive.
 - ② Click "Start" → "Control Panel" then click the "Appearance and Themes" icon.



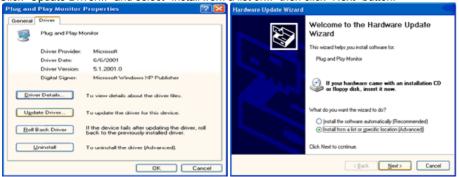
8 Click "Display" icon and choose the "Settings" tab then click "Advanced...".



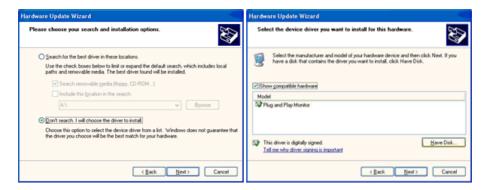
Olick the "Properties" button on the "Monitor" tab and select "Driver" tab.



6 Click "Update Driver..." and select "Install from a list or..." then click "Next" button.



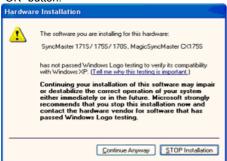
6



Olick the "Browse" button then choose A:(D:\Driver) and choose your monitor model in the model list and click the "Next" button.



If you can see following "Message" window, then click the "Continue Anyway" button. Then click "OK" button.



X This monitor driver is under certifying MS logo, and this installation don't damage your system.

The certified driver will be posted on Samsung Monitor homepage

http://www.samsung.com/

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Monitor driver installation is completed.

Microsoft[®] Windows[®] 2000 Operating System

- 🅯 When you can see "Digital Signature Not Found" on your monitor, follow these steps.
- Ohoose "OK" button on the "Insert disk" window.
- Olick the "Browse" button on the "File Needed" window.
- 6 Choose A:(D:\Driver) then click the "Open" button and then click "OK" button.

How to install

- 1 Click "Start", "Setting", "Control Panel".
- 2 Double click the "Display" icon.
- 8 Select the "Settings" tab and click "Advanced Properties" button.
- Choose "Monitor".
 - Case1 : If the "Properties" button is inactive, it means your monitor is properly configured. Please stop installation
 - Case2: If the "Properties" button is active, click the "Properties" button then follow next steps continually.
- 6 Click "Driver" and then click on "Update Driver..." then click on the "Next" button.
- 6 Choose "Display a list of the known drivers for this device so that I can choose a specific driver" then click "Next" and then click "Have disk".
- Click the "Browse" button then choose A:(D:\Driver).
- Olick the "Open" button, then click "OK" button.
- Ohoose your monitor model and click the "Next" button then click "Next" button.
- Olick the "Finish" button then the "Close" button.

If you can see the "Digital Signature Not Found" window then click the "Yes" button. And click the "Finish" button then the "Close" button.

Microsoft[®] Windows[®] Millennium Operating System

- 1 Click "Start", "Setting", "Control Panel".
- 2 Double click the "Display" icon.
- 8 Select the "Settings" tab and click "Advanced Properties" button.
- Select the "Monitor" tab.
- 6 Click the "Change" button in the "Monitor Type" area.
- 6 Choose "Specify the location of the driver".
- Ohoose "Display a list of all the driver in a specific location..." then click "Next" button.
- (1) Click the "Have Disk" button.
- Specify A:\(D:\driver) then click "OK" button.
- O Select "Show all devices" and choose the monitor that corresponds to the one you connected to your computer and click "OK".
- Oontinue choosing "Close" button and "OK" button until you close the Display Properties dialogue box

Microsoft[®] Windows[®] NT Operating System

- 1 Click "Start", "Settings", "Control Panel", and then double-click "Display" icon.
- In Display Registration Information window, click Settings Tab and then click "All Display Modes".
- Select a mode that you wish to use (Resolution, Number of colors and Vertical frequency) and then click "OK".

- 4 Click "Apply" button if you see the screen working normally after clicking "Test". If the screen is not normal, change to a different mode (lower mode of resolution, colors or frequency).
 - If there is no Mode at All Display Modes, select the level of resolution and vertical frequency by referring to the Preset Timing Modes in the user guide.
- Linux Operating System

To execute X-Window, you need to make the X86Config file, which is a type of system setting file.

- 1 Press "Enter" at the first and the second screen after executing the X86Config file.
- The third screen is for setting your mouse.
- Set a mouse for your computer.
- 4 The next screen is for selecting a keyboard.
- 6 Set a Keyboard for your computer.
- The next screen is for setting your monitor.
- First of all, set a horizontal frequency for your monitor. (You can enter the frequency directly.)
- 3 Set a vertical frequency for your monitor. (You can enter the frequency directly.)
- Under the model name of your monitor. This information will not affect the actual execution of X-Window.
- You have finished setting up your monitor. Execute X-Window after setting other requested hardware.

MagicNet Monitor Driver Natural Color MagicTune™ MagicRotation

Natural Color

▶ Natural Color Software Program



One of the recent problems in using a computer is that the color of the images printed out by a printer or other images scanned by a scanner or a digital camera are not the same as those shown on the monitor. The Natural Color S/W is the very solution for this problem. It is a color administration system developed by Samsung Electronics in association with Korea Electronics & Telecommunications Research Institute (ETRI). This system is available only for Samsung monitors and makes the color of the images on the monitor the same as the printed or scanned images. For more information, refer to Help (F1) in the software program.

▶ How to install the Natural Color software

Insert the CD included with the Samsung monitor into the CD-ROM Drive. Then, the initial screen of the program Natural Color will be executed. Click Natural Color on the initial screen to install the Natural Color software.

To install the program manually, insert the CD included with the Samsung monitor into the CD-ROM Drive, click the [Start] button of Windows and then select [Run...]. Enter D:\color\eng\setup.exe and then press the [Enter] key. (If the drive where the CD is inserted is not D:\, enter the applicable drive.)

▶ How to delete the Natural Color software program

Select "Setting/Control Panel" on the "Start" menu and then double-click "Add/Delete a program". Select Natural Color from the list and then click the "Add/Delete" button.

MagicNet Monitor Driver Natural Color MagicTune™ MagicRotation



Overview | Installation | OSD Mode | Color Calibration | Uninstall | Troubleshooting

.... Overview



What is MagicTune™?

Monitor performance can vary due to the graphics card, host computer lighting conditions and other environmental factors. In order to get the best image on a monitor requires you to adjust it for your unique setting. Unfortunately, the manual controls available to tune the image often prove to be challenging. Proper adjustment (tuning) requires an easy to use program that goes through a step-by-step process to obtain the best overall picture quality.

In most cases even simple adjustments to Brightness, or Contrast require navigation of the multi-level, onscreen display (OSD) menus that are not easy to understand. Furthermore, there is no feedback to assist in correctly setting the controls of the monitor. MagicTuneT is a software utility that guides you through the tuning process with easy to understand instructions and back ground patterns designed for each monitor control. The display settings for each user can be saved, providing an easy way to select display characteristics in a multi-user environme or having a single user have multiple defined presets based on content and ambient lighting.



Basic Functionality

MagicTune™ is a software utility that allows monitor adjustment and color tuning using the Display Data Channel Command Interface (DDC/CI) protocol. All adjustments to the display are controlled via software to eliminate the need to use the monitor on-screen display (OSD).

MagicTune™ supports Windows™ 98 SE, Me, 2000, XP Home, and XP Professional.

It is recommended using MagicTune™ in Windows™ 2000 or later.

MagicTune™ allows for quick accurate tuning of the display with the ability to easily save and use monitor configurations that are best suited for you.



OSD Mode

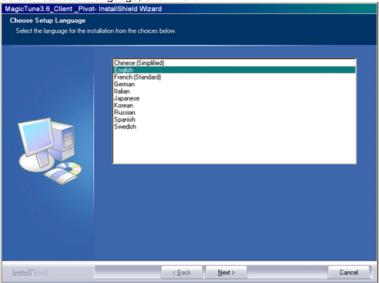
The OSD mode allows easy adjustment of monitor settings without taking pre-defined steps. You can access the desired menu item to set with ease.

Overview | Installation | OSD Mode | Color Calibration | Uninstall | Troubleshooting

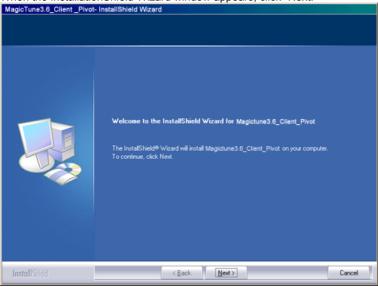
::::: Installation

1. Insert the installation CD into the CD-ROM drive.

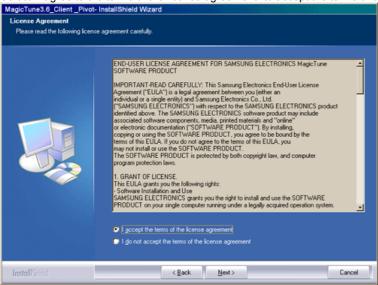
- 2. Click the MagicTune™ installation file.
- 3. Select installation Language, Click "Next".



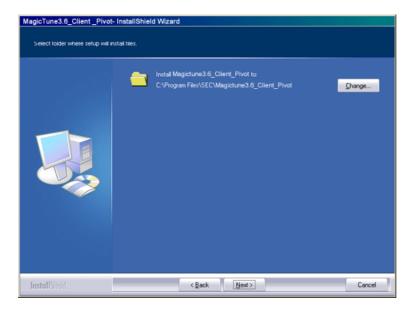
4. When the InstallationShield Wizard window appears, click "Next."



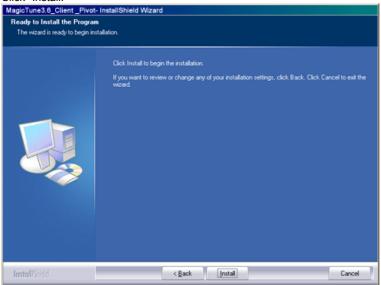
5. Select "I agree to the terms of the license agreement" to accept the terms of use.

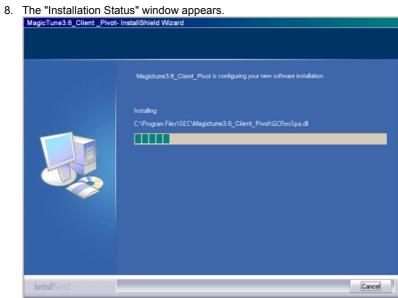


6. Choose a folder to install the MagicTune™ program.

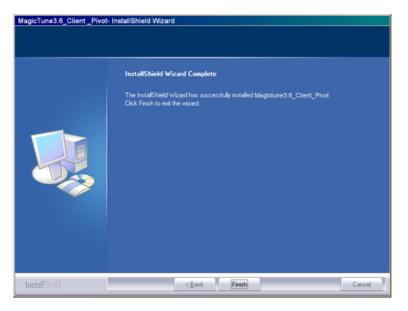


7. Click "Install."





9. Click "Finish."



10. When the installation is complete, the MagicTune™ executable icon appears on your desktop.



Double-click the icon to start the program.



MagicTune™ execution icon may not appear depending on specification of computer system or monitor. If that happens, press F5 Key.



1 Installation Problems

The installation of MagicTune™ can be affected by such factors as the video card, motherboard and the network environment.

See "Troubleshooting" if you have trouble during installation.



System Requirements

os

- Windows™ 98 SE
- Windows™ Me
- Windows™ 2000
 Windows™ XP Home Edition
- Windows™ XP Professional



It is recommended using MagicTune™ in Windows™ 2000

Hardware

- 32MB Memory above
- 25MB Hard disk space above
- * For more information, visit the MagicTune™ website.

Overview | Installation | OSD Modes | Color Calibration | Uninstall | Troubleshooting

MagicTune™ allows for quick accurate tuning of the display with the ability to easily save and use monitor configurations that are best suited for you.

MagicTune

Resolution

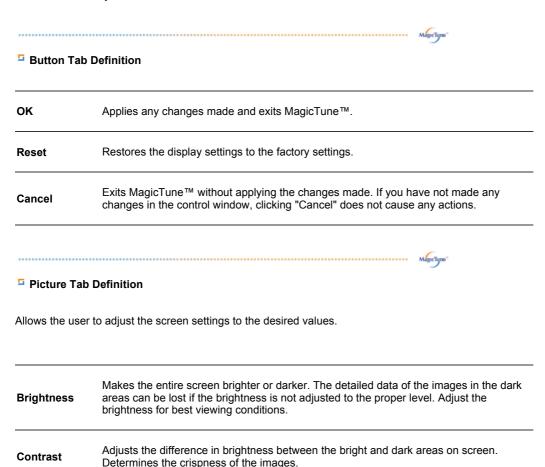
- OSD mode may appear inconsistent with the explanation in guidance book depending on specification of each monitor.
- When Pivot is functioning, part of MagicTune™ Program may not operate normally.
- AutoRotation: AutoRotation will automatically pivots the monitor to 0, 90, 180degrees when you pivots the monitor.

To execute Rotation, it should be done as below.

- Please install both of Rotation program and MagicTune™ 3.6 in your PC.
- Launch MagicTune™ 3.6
- Option → Preference → click the small box as "V" in enable task tray menu.
- MagicTune[™] control mode will be different according to monitor models.

.... OSD Mode

The OSD mode makes the adjustment of settings on all monitors easy. When selected , each tab on top of the control window displays the general descriptions of the sub-menu items for adjustment. When selected, each tab displays a list of menus. For quick adjustment of the monitor settings, the OSD mode allows easy and convenient access to all tabs and sub-menu items.



MagicBright™ is a new feature providing the optimum viewing environment depending on the contents of the image you are watching. Currently six different modes are available: Text, Internet,Game, Sport, Movie and Custom. Each mode has its own preconfigured brightness value. You can easily select one of six settings by simply pressing MagicBright control buttons.

1. Text: For documentations or works involving heavy text.

Lists all display resolutions supported by the program.

2. Internet: For working with a mixture of images such as text and graphics.

- 3. Game: For watching motion pictures such as a Game.
- Sport: For watching motion pictures such as a Sport.
- Movie: For watching motion pictures such as a DVD or Video CD.
- 6. Custom: Although the values are carefully chosen by our engineers, the preconfigured 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.

MagicBright™



MagicBright control mode will be different according to monitor models. Some monitor will only support Four modes(Text, Internet, Entertain, Custom)

Magacityne

Color Tab Definition

Adjusts the "warmth" of the monitor background or image color.



MagicColor and Gamma will be shown only in the monitor that supports these functions.

The tone of the color can be changed.

- Warm2 Warm1 Cool 1 Cool 2 Cool 3 Cool 4 Cool 5 Cool 6 Cool 7
- Off

Color Tone



Color Tone mode will be different according to monitor models. Some monitor will only support Four modes (Warm, Normal, Cool, Custom)

Adjusts of the monitor image color.

Color Control

You can change the monitor color to your desired color.

R-G-B

Calibration

The process through which the colors of your choice are optimized and maintained. You will find MagicTune™ extremely useful if you are one of those who wish to view images with their full details accurately reproduced - including web images and ones produced by a digital camera or scanner.

MagicColor is a new technology that Samsung has exclusively developed to improve digital image and to display natural color more clearly without disturbing image quality.

- 1. OFF: Returns to the original mode.
- 2. DEMO: The screen before applying MagicColor appears on the right and the screen after applying MagicColor appears on the left.
- Full: Displays not only vivid natural color but also more realistic natural skin color with clearness.
- Intelligent: Displays vivid natural color with clearness.
- 5. MagicZone
 - The MagicZone ensures the clear and sharp display of animated multimedia or photo images by enhancing the brightness, sharpness, saturation, Hue of a certain area on the screen. This offers an easy-to-use interface that highlights the video-playing portion of your multimedia program by automatically detecting and highlight the desired area by dragging.
 - When the mouse cursor is activated() and it is necessary to de-activate it to use it for other tasks, right click your mouse, or put the activated cursor (in the taskbar and click. When de-activated, the icon on the screen changes back to the one shown before activation.
 - o Especially, MagicZone is appropriate to using the moving picture.
 - o Auto Detect : If you run the Movie in some players, MagicZone will

automatically get the play screen highlighted (it will be supported in players of Gom, Adrenalin, KCP, Window Media, and Power DVD etc.,)Some other players also can be highlighted but could have some problems.

o Tusk menu



MagicColor

HUE Adjust the tint of the color.

Saturation Adjusts the color saturation.

Brightness Adjusts the Brightness.

Sharpness Adjusts the difference between the lightest and darkest areas of the display.

Zone Off Turn off the zone that you have captured.

 Depending on the monitor models Color Control, Sharpness, Contrast, Color Tone will not be adjustable in MagicColor mode of Full and Intelligent.

Returns to the the default setting that vendor has set.



Reset

MagicTune[™] will be disappear if you excute MagicZone, and closing the MagicZone after adjusting, will show the MagicTune[™] again.
 (System Tray is Unhecked)
 MagicTune[™] will be disappear if you excute MagicZone, and closing the MagicZone after adjusting. will not show MagicTune[™] again.
 (System Tray is Checked)

MagicColor mode will be different according to monitor models.
 MagicZone mode will show if the monitor supports the function.

Gamma correction changes the luminance of the colors with intermediate luminance.

Gamma



Gamma mode will be different according to monitor models. Some monitor will only support Three modes. (Mode1, Mode2, Mode3)



Image Tab Definition

Adjusts the Fine, Coarse and Position values.

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

Image Setup

- Coarse: 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
- You may relocate it to the center using the Horizontal Control menu.

 Auto Setup: Auto adjustment allows the monitor to self-adjust to the incoming video signal. The values of fine, coarse and position are adjusted automatically.

Position Adjusts the screen location horizontally and vertically.

Sharpness Changes the clearance of image.



Option Tab Definition

You can configure MagicTuneT using the following options.

Loads the Preferences Dialog Box. Preferences in use will have an "V" in the check box. To turn on or off any Preference, position the cursor over the box and click.

Preferences

- . Enable task tray menu .
 - To access the MagicTune™ menus, click the icon on the [task tray menu]. The menus are not displayed if the [Enable System Tray] is deselected in [Options] ' [Basic Settings].
- Select Language The language chosen affects only the language of the OSD.

Source Select

- Analog
- Digital



Support Tab Definition

Shows the Asset ID and the version number of the program, and allows you to use the Help feature.

Help

Visit the MagicTune™ website or click to open the Help files (User Manual) if you need any help installing or running MagicTune™. The User Manual opens within a basic browser window.

Asset ID

Version

you can use the server to control the Client monitor. (Server program should be installed to use this program as Client)

User Name	Shows the user name that is registered in PC.
User ID	Shows the user ID that is register in PC.
Server IP	Write down the server IP .
Department	Write down the department.
Location	Write down the location.
Displays the version of MagicTune™.	

.... Color Calibration



Color Calibration

Color Calibration guides you to get optimal color condition for your monitor.

Proceed following 5steps for getting optimal monitor color condition .

- Control "Brightness control bar" for matching the brightness of control patch and the brightness of background pattern
- When you detect specific color tone on "Control patch", move the control cursor toward to the direction of the color tone referring to "Color reference Circle".
 Adjustment is finished properly, you won't detect any color tone on Control patch.
- 3. When you finish adjustment for step1, Click "Next" button .
- 4. Repeat 1), 2), 3) procedures for remaining step2 ~ step5.
- 5. You can easily view the calibration effect through clicking "Preview " button!

How multiple users can use adjusted color values

Definition

When monitor is used by multiple users, color values which are adjusted via Color calibration for each users can be saved and used. Up to 5 users can use the saved color values.

- How to save adjusted color values:
 Press Next to make it change into Apply and then you can save adjusted color values.
 As many as 5 values can be saved.
- How to apply the saved color values: Press Multi User button on main screen to select and use one of the saved color values.



Preview



Press "Preview" button on the Color Calibration. The above picture will be shown.

- 1. Press "View Calibrated" button to see the calibration effect which you adjusted.
- 2. Press "View Uncalibrated" button to see the original image.

Overview | Installation | OSD Mode | Color Calibration | Uninstall | Troubleshooting



The MagicTune™ program can be removed only by using the "Add or Remove Programs" option of the Windows™ Control Panel.

Perform the following steps remove MagicTune™.

- Go to [Task Tray] ' [Start] ' [Settings] and select [Control Panel] in the menu. If the program runs on Windows™ XP, go to [Control Panel] in the [Start] menu.
- 2. Click the "Add or Remove Programs" icon in Control Panel.
- 3. In the "Add or Remove Programs" screen, scroll down to find "MagicTune™." Click on it to highlight it.
- 4. Click the "Change/Remove" button to remove the program.
- 5. Click "Yes" to begin the uninstall process.
- 6. Wait until the "Uninstall Complete" dialog box appears.

Visit the MagicTune™ website for technical support for MagicTune™, FAQs (questions and answers) and software upgrades.

Overview | Installation | OSD Mode | Color Calibration | Uninstall | Troubleshooting

Troubleshooting

The current computing system is not compatible with MagicTune™.

- Please press OK and click on the "Shortcut to the MagicTune™ site" to view our home page for further reference.
 - An error may occur when your video/graphic card is not in the 'Available' list. (The latest or oldest video cards may not be compatible.)
 - Please visit our homepage to see the Troubleshooting section.
 - An error may occur if the card maker has modified the video card driver or the graphics chip even when the video card is in the list.
 - Please visit our homepage to see the Troubleshooting section.
 - Check if your monitor is manufactured by Samsung. Products from other manufacturers may cause errors.
 - Only Samsung products are able to support this feature.
 - An error may occur even when your monitor is manufactured by Samsung but is out of date. Check if your monitor is able to support MagicTune™.
 - This feature is only supported by those monitors that are registered on our homepage. Check for the monitor before purchasing it as out-of-date models are not supported.
 - An error occurs when no information on EDID (Extended Display Identification Data) exists for the current monitor.
 This happens when from your desktop, Start → Setup → Control Panel → System → Hardware → Device Manager → Monitor is selected, the current "Plug-and-play monitor" is removed and new hardware is searched for but the system couldn't find any "Plug-and-play monitor".
 - Please visit our homepage to see the Troubleshooting section.
 - An error occurs when replacing the monitor with a new one when the system power is off but the system has not been restarted.
 - Please restart the system each time the monitor is replaced before using MagicTune™.

- An error occurs when the video card driver is not installed properly. This happens when the current video card list is not displayed normally. You can check this via Start \rightarrow Setup \rightarrow System \rightarrow Hardware \rightarrow Device Manager \rightarrow Display adaptor.
- Visit the video card maker's homepage and download and install the latest driver. For more information about the video card, contact the card manufacturer.
- To ensure normal operation, please restart your system.
 - An error occurs when the system is not restarted after installing MagicTune™. (This is for Win98SE and WinMe only.)
 - Restart the system before use.
- For the best performance of MagicTune™, adjust to the optimal resolution. Refer to the User Guide for the optimal resolution.
 - If you do not adjust to the optimal resolution and perform Color Calibration, the monitor cannot be adjusted to the optimal condition.
 - Refer to the manual for the optimal resolution.
- This video card does not support MagicTune™. Please install a new video card driver.
 - An error occurs when the video card driver is not installed properly. This happens when the current video card list is not displayed normally. You can check this from Start \rightarrow Setup \rightarrow System \rightarrow Hardware \rightarrow Device Manager \rightarrow Display adaptor.
 - Visit the video card manufacturer's homepage and download and install the latest For more information about the video card, contact the card manufacturer.
- As the Highlight program uses the communication lines, please exit the Highlight program before you can access MagicTune™.
 - Some of Samsung CDT monitors support the Highlight feature. When using both the Highlight feature and MagicTune™ simultaneously, conflicts occur, which cause errors.
 - Make sure to turn OFF Highlight before using MagicTune™.

::::: Troubleshooting

MagicTune™ may not work in case monitor is replaced or driver of graphic card is undated while

MagicTune™ is operating. If so, please restart the system.			
Symptom	Check List	Solutions	
Check when MagicTune™ does not function properly.	MagicTune™ feature is found only on PC (VGA) with Window OS that supports Pluq and Play.	* To check whether your PC is available for MagicTune™ feature, follow the steps below (When Windows™ is XP);	
	copposed stag and stags	Control Panel \rightarrow Performance and Maintenance \rightarrow System \rightarrow Hardware \rightarrow Device Manager \rightarrow Monitors \rightarrow After deleting Plug and Play monitor, find 'Plug and Play monitor' by searching new Hardware.	
		MagicTune™ is an additional software for the monitor. Some graphic cards may not support your monitor. When you have a problem with the graphic card, visit our website to check the compatible graphic card list provided. http://www.samsung.com/monitor/magicTune	

MagicTune™ doesn't work properly.

Have you changed your PC or video graphic

Download the latest program. The program can be downloaded

card? http://www.samsung.com/monitor/magicTune

- Visit the MagicTune™ website for technical support for MagicTune™, FAQs (questions and answers) and software upgrades.
- Visit the MagicTune™ website and download the installation software for MagicTune™ MAC.

The MagicTune™ program is an additional program for monitor products. Some computing systems that install either an older or the latest video driver are not compatible with MagicTune™

Please visit the MagicTune™ Website for technical support for MagicTune™.

Specifications subject to change without notice. MagicTune™ is a trademark of SAMSUNG ELECTRONICS CO., Inc. Windows™ is a registered trademark of Microsoft Corp. Other trademarks are property of their respective holders

> MagicRotation MagicNet Monitor Driver Natural Color MagicTune™



Overview Installation Interface Uninstall Troubleshooting

Overview

What is MagicRotation?



Traditionally, computer displays allowed the user to view only in landscape mode. In today's information age, more users need to view documents, web pages, emails, etc. in there day to day life. These types of applications can be better viewed in portrait mode where the entire contents are available on the screen. This greatly improves the user's productivity allowing him the flexibility to switch between landscape and portrait modes.

The MagicRotation Software from Samsung Electronics, Inc. provides the user with a rotation feature (0, 90, 180, 270 orientation) that facilitates the optimum utilization of computer display screen, better viewing and improved user productivity.

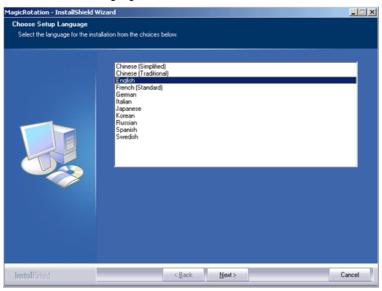
Basic Function

* WindowsT is registered trademark of Microsoft Corporation,Inc.

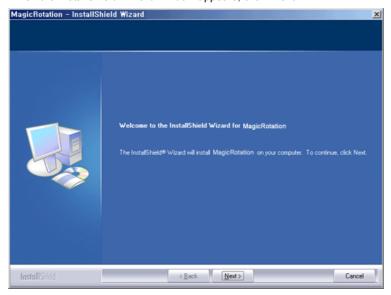
Overview | Installation | Interface | Uninstall | Troubleshooting

Installation

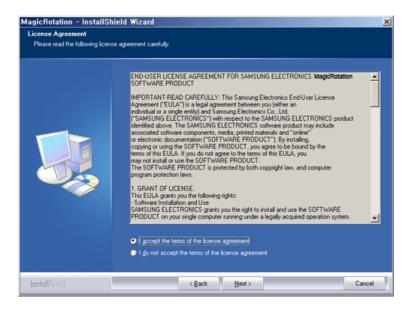
- 1. Insert the installation CD into the CD-ROM drive.
- 2. Click the MagicRotation installation file.
- 3. Select installation Language, Click "Next".



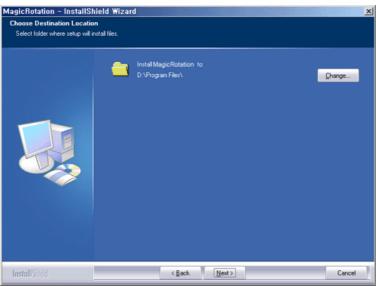
4. When the InstallShield Wizard window appears, click "Next."



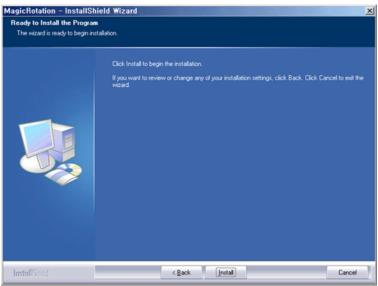
5. Select "I agree to the terms of the license agreement" to accept the terms of use.



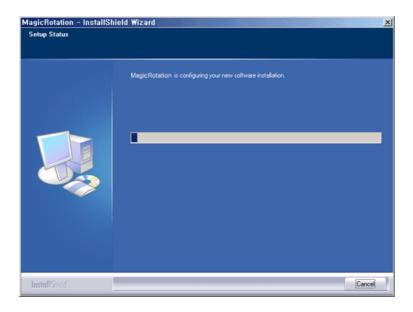
6. Choose a folder to install the MagicRotation program.



7. Click "Install."

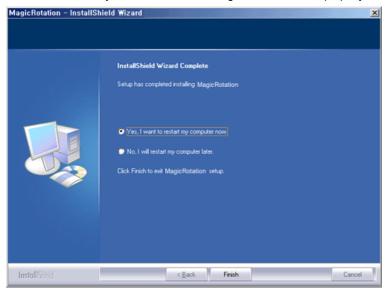


8. The "Installation Status" window appears.



9. Click "Finish."

Have to reboot the system in order for the MagicRotation to work properly.



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



Installation Problems

The installation of MagicRotation can be affected by the factors such as video card, motherboard and the network environment.

See "Troubleshooting" if you have trouble during installation.

Limitation

 The "Display Driver" should be properly loaded for the MagicRotation to work properly. The installed "Display Driver" should be the latest driver supplied by the vendor.

- 2. If some applications like Windows™ Media Player, Real Player, etc. are not displaying movie files properly in 90, 180 and 270 orientations then do the following:
 - Close the application.
 - o Select the Orientation (90, 180, 270) you want to view the application.
 - Relaunch the application.

In most cases this should fix the problem.

- 3. User Applications using OpenGL and DirectDraw (3D drawing) will not function as per the orientation mode selected (90, 180, 270). e.g. 3D games
- 4. DOS based applications in Full Screen Mode will not function as per the orientation mode selected (90, 180, 270).
- 5. Dual is not supported in Windows™ 98, ME, NT 4.0.
- 6. MagicRotation does not provide support for 24 bits per pixel (Bit depth/Color Quality).
- 7. If you are changing your Graphic Card it is recommended that you uninstall the MagicRotation Software before doing so.

System Requirements

os

- Windows™ 98 SE
- Windows™ Me
- Windows™ NT 4.0
- Windows™ 2000
 Windows™ XP Home Edition
- Windows™ XP Professional

Hardware

- 128MB Memory above(recommended)
- 25MB Free Hard disk space above

Service Packs

- It is recommended that your System has the latest Service Pack installed.
- For Windows™ NT 4.0, it is recommended to install Internet Explorer 5.0 and above with Active Desktop component.
- * For more information, visit the MagicRotation website.
- * Windows™ is registered trademark of Microsoft Corporation,Inc.

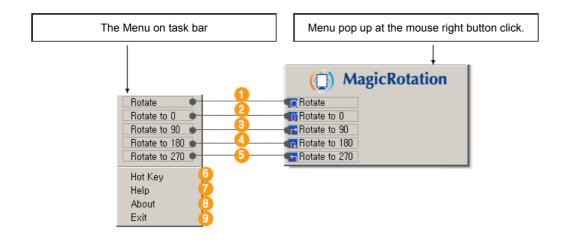
Overview Installation Interface Uninstall Troubleshooting

- When Rotation is functioning, part of MagicTune™ Program may not operate normally.
- AutoRotation: AutoRotation will automatically AutoRotations the monitor to 0, 90, 180degrees when you AutoRotations the monitor.

To execute AutoRotation, it should be done as below.

- Please install both of Rotation program and MagicTune™ 3.6 in your PC.
- Launch MagicTune™ 3.6
- Option → Preference → click the small box as "V" in enable task tray menu.
- * The angle of rotatation may vary depending on your monitor spec.

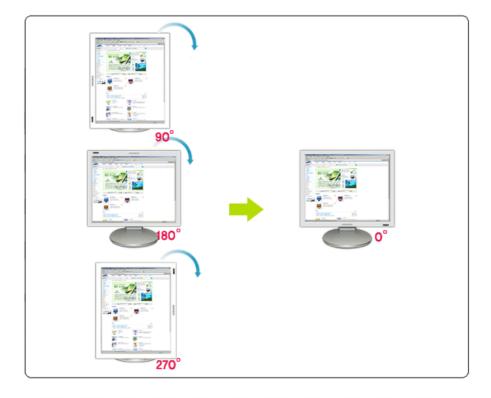




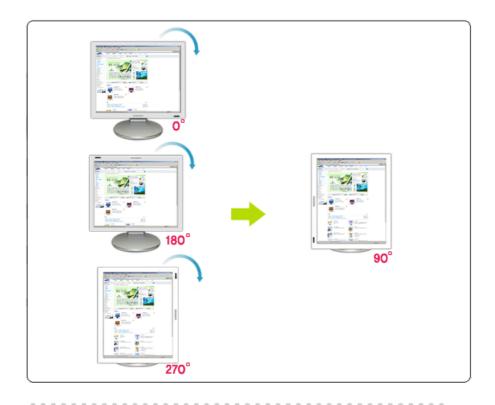
Rotate: Display will get rotated by the unit of 90 degree



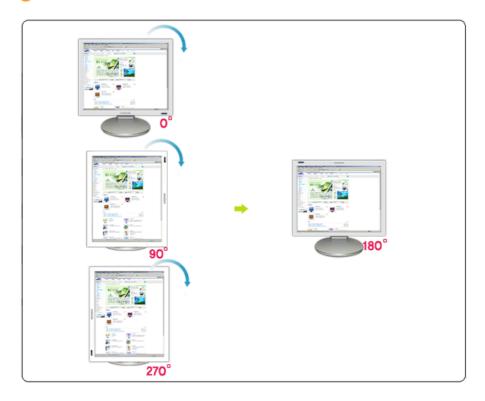
2 Rotate to 0: Display will get rotated to 0 degree from the current angle of rotation.



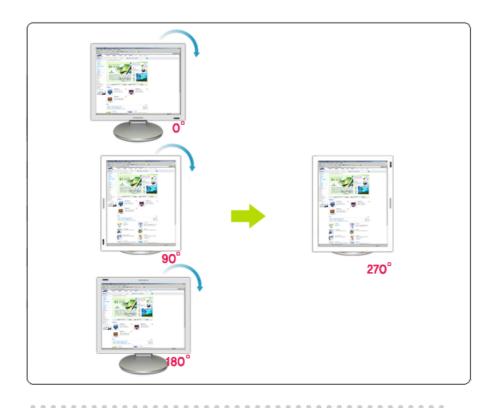
Rotate to 90: Display will get rotated to 90 degree from the current angle of rotation.



Rotate to 180: Display will get rotated to 180 degree from the current angle of rotation.



6 Rotate to 270: Display will get rotated to 270 degree from the current angle of rotation.



6 Hot key: Hot Keys are available by default and can be changed by user.
It can be assigned by user directly with keyboard after changing the existing HotKey.
User can create the hot key with the combination of Shift, Ctrl, Alt and general keys.
In case only general key is pressed, it will be assigned in the form of Alt+general key.

7 Help: It shows the HELP of MagicRotation program.

(3) About: It shows the version and copyright of MagicRotation program.

Exit: It exits from MagicRotation program.

Overview | Installation | Interface | Uninstall | Troubleshooting

OUninstall

The MagicRotation program can be removed only by using the "Add/Remove Programs" option of the Windows™ Control Panel.

Perform the following steps to remove MagicRotation.

- Go to [Task Tray] ' [Start] ' [Settings] and select [Control Panel] in the menu. If the program runs on Windows™ XP, go to [Control Panel] in the [Start] menu.
- 2. Click the "Add/Remove Programs" icon in Control Panel.
- 3. In the "Add/Remove Programs" screen, scroll down to find "MagicRotation" Click on it to highlight it.
- 4. Click the "Change/Remove" button to remove the program.
- 5. Click "Yes" to begin the uninstall process.
- 6. Wait until the "Uninstall Complete" dialog box appears.

7. After uninstall restart the system to complete the uninstallation.

Visit the MagicRotation website for technical support for MagicRotation, FAQs (questions and answers) and software upgrades.

* Windows™ is registered trademark of Microsoft Corporation,Inc.

Overview	l Installation	Interface	I Uninstall	Troubleshooting
OVEIVIEW	l listaliation	IIILCIIACC	Ullilistali	IIOUDIESIIOOLIIIG

Troubleshooting

Before You Call Technical Support

• MagicRotation Software works with the installed "Display Driver" supplied by your Graphic Card Vendor to provide screen rotation capabilities. If the installed "Display Driver" is working incorrectly or has bugs in it, then these bugs would still exist even after MagicRotation Software is installed. Any incorrect/random behaviour resulting due to problems in the installed "Display Driver" are not due to MagicRotation Software.

In order to verify if a problem exists in the installed "Display Driver", you can perform the following diagonostic steps:

- 1. Check if the problem is occuring in both 0 orientation (Landscape mode) and 90 orientation (Portarit mode)
- Check if the problem occurs with different color depths (8/16/32 bits per pixel) and different resolution modes (800 x 600, 1024 x 768).
- 3. Check if the problem occurs without installing MagicRotation Software.

If the problem is repeating in any/all of the following scenarios then it may be the problem with your installed "Display Driver"

In order to correct the problem you need to perform the following steps:

- Uninstall MagicRotation Software.
 Obtain the latest "Display Driver" from your Graphic Card Vendor. The latest "Display Driver" from (ATI, NVIDIA, MATROX, INTEL, etc.) are easily available for download from their respective websites.
- 3. Install the latest "Display Driver"
- 4. Install MagicRotation Software. In most of the cases this should correct the problem.
- · MagicRotation may not work in case monitor is replaced or driver of graphic card is updated while MagicRotation is operating. If so, please restart the system.
- Visit the MagicRotation website for technical support for MagicRotation, FAQs (questions and answers) and software upgrades.

The specifications are subject to change without notice.
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O Adjusting the Monitor

MagicNet Control Buttons Direct Functions OSD Function

MagicNet



In the OSD image of MagicNet, Network mode is the same as Device.

Menu	Description	Play/Stop
Network	When using MagicNet with MagicNet Server Program : execute Network mode.	
Device	When using MagicNet with the device directly connected to monitor: execute Device mode.	
Internet	Connects to the Internet.	
	You can set various functions in MagicNet mode. You must enter the password to access Setup mode.	Schedule View
	* The preset password on the monitor is "000000".	Remote
	The password should be between 6 and 12 characters in numeric format.	Desktop
	You should enter a password between 6 and 12 characters in	

Setup	 Remote Desktop TCP/IP Homepage	ew Displays a schedule. Allows you to adjust the connection settings of the host PC. You can change the TCP/IP settings. DHCP, STATIC You can change the Internet primary address. IP You can modify the network settings. You can change the password. Administrator (Setup), User (Network-Photo, Movie, Office/HTML)	Homepage Network Setup Change Password
Menu		Description	Play/Stop
Photo		ille format is supported. Iter button to display the menu bar on the bottom. Automatically fits the image to the window. Shows the properties of an original file. Displays the properties of the original file as they are. Controls the time intervals between image files for a slide show. (5 Sec, 10 Sec, 20 Sec, 30 Sec, 60 Sec) Displays an image file by turning it clockwise by 90. Displays an enlarged picture. - Once: twice enlarged - Twice: three times enlarged - Three Times: back to the original size Closes Menu for image control.	Auto/Original Slide Show Interval Rotation Zoom Close
Movie	AVI, MPEG1/ 1 ►II 2 ■ 3 ← 4 ► 5 Full Size 6 Close	2, DivX 4.x, DivX 5.x file format is supported. Displays or pauses displaying a video file. Stops displaying the video file. Rewinds the video file. Fast forwards the video file. Enlarges the video file to fit the screen. Closes the video file.	Full Size
OFFICE/HTML		Point), DOC(MS Word), XLS(MS Excel), PDF, illes are displayed.	
RDP	Operates reg program on the	connect to the host PC. ardless of the running of the MagicNet server ne server. he host PC in either network or device mode.	

Control Buttons



- Opens the OSD menu. Also use to exit the OSD menu or return to the previous menu.
- ② [▼/▲] These buttons allow you to adjust items in the menu.
- (a) Press this button to activate a highlighted menu item.
- [AUTO] When the 'AUTO' button is pressed, the Auto Adjustment screen appears as shown in the animated screen on the center.

MagicNet Control Buttons Direct Functions OSD Function

Direct Functions

AUTO



Menu Description

When the 'AUTO' button is pressed, the Auto Adjustment screen appears as shown in the animated screen on the center.

The values of fine, coarse and position are adjusted automatically.

To make the automatic adjustment function sharper, execute the 'AUTO' function while the $\hbox{\tt AUTO\ PATTERN}$ is on.

AUTO

× Available in analog Mode Only

- If auto adjustment does not work properly, press 'AUTO' button again to adjust picture with more accuracy.
- If you change resolution in the control panel, auto function will be executed automatically.

OSD Lock & Unlock









Menu Description

After pushing the "MENU" button more than 5 seconds, OSD function is locked (unlocked).

OSD Lock & Unlock

 $\,\,^{\!\times}\,$ You can also adjust the brightness and contrast of the monitor with the OSD adjustment locking feature.

MagicBright™





Menu Description

MagicBright™

Push the MagicBright $^{\text{\tiny{TM}}}$ button to circle through available preconfigured modes.

- Six different modes (Custom/Text/Internet/Game/Sport/Movie)

Brightness



Menu Description

Brightness

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

SOURCE



Menu Description

SOURCE Selects the Video signal while the OSD is off. (Analog/MagicNet)

OSD Function

	Picture	Brightness	Contrast			
0	Color	MagicColor	Color Tone	Color Control	Gamma	
0	Image	Coarse	Fine	Sharpness	H-Position	V-Position
	OSD	Language	H-Position	V-Position	Transparency	Display Time
898	Setup	Image Reset	Color Reset			

Information

D I Picture





Menu	Description	Play/Stop
	You can use the on-screen menus to change the brightness according to personal preference.	
Brightness	Direct Access Feature : When OSD is not on the screen, push the button to adjust brightness.	
	$MENU \to \overset{\bullet \bullet}{-\!\!\!\!-\!\!\!\!-} \to \overset{\bullet}{-\!\!\!\!-} \to \overset{\bullet}{-\!\!\!\!-} , \overset{\blacktriangledown}{-\!\!\!\!\!-} \to MENU$	
Contrast	You can use the on-screen menus to change the contrast according to personal preference. (Not available in MagicColor mode of Full and Intelligent.)	
	$MENU \to \textcircled{+} \to \blacktriangle , \blacktriangledown \to \textcircled{+} \to \blacktriangle , \blacktriangledown \to MENU$	





Play/Stop Menu Description MagicColor is a new technology that Samsung has exclusively developed to improve digital image and to display natural color more clearly without disturbing image quality. Off Returns to the original mode. ② Demo The screen before applying MagicColor appears on the right and the screen after applying MagicColor appears on the left. Full Displays not only vivid natural color but also more realistic natural skin color with clearness. Intelligent Displays vivid natural color with clearness. 6 MagicZone The MagicZone ensures the clear and sharp display of animated multimedia or photo images by enhancing the brightness, sharpness, saturation, hue of a certain area on the screen. Especially, MagicZone is appropriate to using the moving picture. ▶ Hue This function is to adjust the hue of the MagicZone. MagicColor Saturation This function is to adjust the saturation of the Saturation MagicZone. Brightness This function is to adjust the brightness of the Brightness MagicZone. This function is to adjust the sharpness of the Sharpness MagicZone. H-Position This function is to move the MagicZone H-Position

This function is to move the MagicZone vertically.

This function is to adjust the horizontal size of the

This function is to adjust the vertical size of the

V-Position

H-Size

horizontally.

MagicZone.

MagicZone.

V-Position

H-Size

V-Size

The tone of the color can be changed and one of four modes can be selected -Cool, Normal, Warm and Custom. Color Tone (Not available in MagicColor mode of Full and Intelligent.) $\mathsf{MENU} \to \blacktriangle\,, \blacktriangledown \to \boxdot \to \blacktriangle\,, \blacktriangledown \to \mathsf{MENU}$ Adjusts individual Red, Green, Blue color balance. - Red, Green, Blue Color Control (Not available in MagicColor mode of Full and Intelligent.) $\mathsf{MENU} \to \, \blacktriangle \,, \, \blacktriangledown \to \, \clubsuit \to \, \blacktriangle \,, \, \blacktriangledown \to \, \clubsuit \to \, \bigstar \,, \, \blacktriangledown \to \, \spadesuit \to \, \bigstar \,, \, \blacktriangledown \to \, \mathsf{MENU}$ Gamma correction changes the luminance of the colors with intermediate luminance. - Mode 1 Gamma - Mode 2 - Mode 3 $\mathsf{MENU} \to \blacktriangle\,, \blacktriangledown \to \biguplus \to \blacktriangle\,, \blacktriangledown \to \mathsf{MENU}$







(Not available in MagicColor mode of Full and Intelligent.)

Changes the clearance of image.

Sharpness

★ Available in analog Mode Only



 $\mathsf{MENU} \to \blacktriangle \,,\, \blacktriangledown \to \boxdot \to \blacktriangle \,,\, \blacktriangledown \to \bot \to \blacktriangle \,,\, \blacktriangledown \to \mathsf{MENU}$

Changes the horizontal position of the monitor's entire display.

H-Position

× Available in analog Mode Only



 $\mathsf{MENU} \to \blacktriangle\,,\,\blacktriangledown \to \biguplus \to \blacktriangle\,,\,\blacktriangledown \to \biguplus \to \bot\,,\,\blacktriangledown \to \mathsf{MENU}$

Changes the vertical position of the monitor's entire display.

V-Position

× Available in analog Mode Only





 $\mathsf{MENU} \to \blacktriangle\,,\,\blacktriangledown \to \biguplus \to \blacktriangle\,,\,\blacktriangledown \to \biguplus \to \bot\,,\,\blacktriangledown \to \mathsf{MENU}$







Menu

Description

Play/Stop

You can choose one of eight languages.

 English, Deutsch, Español, Français, Italiano, Svenska, Русский, Português

Language

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



 $\mathsf{MENU} \to \blacktriangle\,,\, \blacktriangledown \to \biguplus \to \biguplus \to \blacktriangle\,,\, \blacktriangledown \to \mathsf{MENU}$

H-Position

You can change the horizontal position where the OSD menu appears on your monitor.

 $\mathsf{MENU} \to \blacktriangle \,, \blacktriangledown \to \biguplus \to \blacktriangle \,, \blacktriangledown \to \biguplus \to \blacktriangle \,, \blacktriangledown \to \mathsf{MENU}$



V-Position

You can change the vertical position where the OSD menu appears on your monitor.



$$\mathsf{MENU} \to \blacktriangle\,,\,\blacktriangledown \to \clubsuit \to \blacktriangle\,,\,\blacktriangledown \to \clubsuit \to \blacktriangle\,,\,\blacktriangledown \to \mathsf{MENU}$$

Transparency

Display Time

Change the transparency of the background of the OSD.

 $\mathsf{MENU} \to \blacktriangle \,,\, \blacktriangledown \to \biguplus \to \blacktriangle \,,\, \blacktriangledown \to \biguplus \to \blacktriangle \,,\, \blacktriangledown \to \mathsf{MENU}$

The menu will be automatically turned off if no adjustments are made for a certain time period.
You can set the amount of time the menu will wait before it is

turned off.

- 5 Sec, 10 Sec, 20 Sec, 200 Sec

 $\mathsf{MENU} \to \blacktriangle\,, \blacktriangledown \to \biguplus \to \blacktriangle\,, \blacktriangledown \to \mathsf{MENU}$









Menu	Description	Play/Stop
Image Reset	Image parameters are replaced with the factory default values. $ MENU \to \blacktriangle , \blacktriangledown \to \clubsuit \to \clubsuit \to \blacktriangle , \blacktriangledown \to MENU $	
Color Reset	Color parameters are replaced with the factory default values. MENU $\rightarrow \blacktriangle$, \blacktriangledown $\rightarrow \clubsuit$ $\rightarrow \blacktriangle$, \blacktriangledown $\rightarrow \blacksquare$ MENU	







Menu Description

Shows a video source, display mode on the OSD screen. Information

MENU → ▲ , ▼





O Troubleshooting

Check List Q & A Self-Test

Check List

Before calling for service, 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.

Symptom	Check List	Solutions
No images on the screen. I cannot turn on the	Is the power cord connected properly?	Check the power cord connection and supply.
monitor.	Can you see "Check Signal Cable" on the screen?	Check the signal cable connection.
	If the power is on, reboot the computer to see the initial screen(the login screen), which can be seen.	If the initial screen (the login screen) appears, boot the computer in the applicable mode (the safe mode for Windows ME/XP/2000) and then change the frequency of the video card. (Refer to the Preset Timing Modes) If the initial screen (the login screen) does not appear, contact the Service Center or your dealer.
	Can you see "Not Optimum Mode", "Recommended Mode 1280 x 1024 60 Hz" on the screen?	You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly. Adjust the maximum resolution and frequency that the monitor can handle properly.
		If the display exceeds SXGA or 75 Hz, a "Not Optimum Mode", "Recommended Mode 1280 x 1024 60 Hz" message is displayed. If the display exceeds 85 Hz, the display will work properly but the "Not Optimum Mode", "Recommended Mode 1280 x 1024 60 Hz" message appears for one minute and then disappears.
		Please change to the recommended mode during this one-minute period. (The message is displayed again if the system is rebooted.)
	There is no image on the screen.	The monitor is in PowerSaver mode.
	Is the power indicator on the monitor blinking at 1 second	Press a key on the keyboard to activate the monitor and restore the image on the screen.
	intervals?	If there is still no image, press the 'SOURCE' button. Then press any key on the keyboard again to activate

the monitor and restore the image on the screen.

I cannot see the On Screen Display.	Have you locked the On Screen Display (OSD) Menu to prevent changes?	Unlock the OSD by pressing the [BUILDING BU
The screen shows	Is the screen	Check the signal cable connection.
strange colors or just black and white.	displaying only one color as if looking at the screen through a cellophane paper?	Make sure the video card is fully inserted in it's slot.
	Have the screen colors become strange after running a program or due to a crash between applications?	Reboot the computer.
	Has the video card been set properly?	Set the video card by referring to the video card manual.
The screen suddenly has become unbalanced.	Have you changed the video card or the driver?	Adjust screen image position and size using the OSD.
	Have you adjusted the resolution or frequency to the monitor?	Adjust the resolution and frequency at the video card. (Refer to the Preset Timing Modes).
	The screen can be unb Readjust Position by re	alanced due to the cycle of the video card signals. ferring to the OSD.
The screen is out of focus or OSD cannot be adjusted.	Have you adjusted the resolution or frequency on the monitor?	Adjust the resolution and frequency of the video card. (Refer to the Preset Timing Modes).
LED is blinking but no images on the screen.	Is the frequency properly adjusted when checking the Display Timing on	Adjust the frequency properly by referring to the video card manual and the Preset Timing Modes.
	the menu?	(The maximum frequency per resolution may differ from product to product.)
There are only 16 colors shown on the screen. The screen colors have	Have the Windows colors been set properly?	Windows XP : Set the resolution at the Control Panel \rightarrow Appearance and Themes \rightarrow Display \rightarrow Settings.
changed after changing the video card.		Windows ME/2000 : Set the resolution at the Control Panel \rightarrow Display \rightarrow Settings.
	Has the video card been set properly?	Set the video card by referring to the video card manual.
There is a message that reads "Unrecognized	Have you installed the monitor driver?	Install the monitor driver according to the Driver Installation Instructions.
monitor, Plug & Play (VESA DDC) monitor found".	See the video card manual to see if the Plug & Play (VESA DDC) function can be supported.	Install the monitor driver according to the Driver Installation Instructions.
Check when MagicTune™ does not function properly.	MagicTune™ feature is found only on PC (VGA) with Window OS that supports Plug and Play.	* To check whether your PC is available for MagicTune™ feature, follow the steps below (When Windows™ is XP); Control Panel → Performance and Maintenance →
	riug and riay.	System Hardware Dovine Manager Monitors

System → Hardware → Device Manager → Monitors

 \rightarrow After deleting Plug and Play monitor, find 'Plug and Play monitor' by searching new Hardware.

MagicTune™ is an additional software for the monitor. Some graphic cards may not support your monitor. When you have a problem with the graphic card, visit our website to check the compatible graphic card list provided

http://www.samsung.com/monitor/magictune

MagicTune™ doesn't work properly. Have you changed your PC or video graphic card?

Download the latest program. The program can be

downloaded

http://www.samsung.com/monitor/magictune

※ Visit the MagicTune™ website and download the installation software for MagicTune™ MAC.

- Check the following items if there is trouble with the monitor.
- Check if the power cord and the video cables are properly connected to the computer.
- Check if the computer beeps more than 3 times when booting.

 (If it does, request an after-service for the main board of the computer.)
- If you installed a new video card or if you assembled the PC, check if the installed the adaptor(video) driver and the monitor driver.
- Check if the scanning ratio of the video screen is set at 56 Hz ~ 75 Hz. (Do not exceed 75 Hz when using the maximum resolution.)
- If you have problems in installing the adaptor (video) driver, boot the computer in Safe Mode, remove the Display adaptor at the "Control Panel → System → Device Administrator" and then reboot the computer to reinstall the adaptor (video) driver.

* If problems repeatedly occur, contact an authorized service center.

Check List Q & A Self-Test

Q & A

Question Answer

How can I change the frequency? 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.)

How can I adjust the resolution? Windows XP:

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

Windows ME/2000:

Set the resolution at the Control Panel \rightarrow Display \rightarrow

Settings.

X Contact the video card manufacturer for details.

How can I set the Power Saving function? Windows XP:

Set the resolution at the Control Panel →

Appearance and Themes \rightarrow Display \rightarrow Screen

Saver.

Set the function at BIOS-SETUP of the computer.

Windows ME/2000:

Set the resolution at the Control Panel \rightarrow Display \rightarrow

Screen Saver.

Set the function at BIOS-SETUP of the computer.

X Refer to Windows/Computer Manual

How can I clean the outer case/LCD Panel?

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

Do not leave any remains of the detergent nor scratch the case. Do not allow any water to go inside the monitor.

Check List Q & A Self-Test

Self-Test

Self-Test Feature Check | Warning Messages | Environment | Useful Tips

Your monitor provides a self test feature that allows you to check whether your monitor is functioning properly.

- Self-Test Feature Check 📥
- 1 Turn off both your computer and the monitor.
- 2 Unplug the video cable from the back of the computer.
- Turn on the monitor.

If the monitor is functioning properly, you will see a box in the illustration below.



This box appears during normal operation if the video cable becomes disconnected or damaged.

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

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

Warning Messages

If there is something wrong with the input signal, a message appears on the screen or the screen goes blank although the power indicator LED is still on. The message may indicate that the monitor is out of scan range or that you need to check the signal cable.



- Environment
- The location and the position of the monitor may influence the quality and other features of the monitor.
 - If there are any sub woofer speakers near the monitor, unplug and relocate the woofer to another room.
 - Remove all electronic devices such as radios, fans, clocks and telephones that are within 3 feet (one meter) of the monitor.
- Useful Tips

- A monitor recreates visual signals received from the computer. Therefore, if there is trouble with the computer or the video card, this can cause the monitor to become blank, have poor coloring, noise, Video mode not supported, etc. In this case, first check the source of the problem, and then contact the Service Center or your dealer.
- Judging the monitor's working condition

If there is no image on the screen or a "Not Optimum Mode", "Recommended Mode 1280 \times 1024 60 Hz" message comes up, disconnect the cable from the computer while the monitor is still powered on.

If there is a message coming up on the screen or if the screen goes white, this means the monitor is in working condition. In this case, check the computer for trouble.





Specifications

Specifications PowerSaver Preset Timing Modes

Specifications

General

Model Name SyncMaster 711ND

LCD Panel

Size 17 " Diagonal (43 cm)

Display area 337.92 mm (H) x 270.336 mm (V)

Pixel Pitch 0.264 mm (H) x 0.264 mm (V)

Type a-si TFT active matrix

Synchronization

Horizontal 30 ~ 81 kHz

Vertical 56 ~ 75 Hz

Display Color

16.2 M Colors

Resolution

Optimum resolution 1280 x 1024@60 Hz

Maximum resolution 1280 x 1024@75 Hz

Input Signal, Terminated

RGB Analog, 0.7 Vp-p, Positive at 75 Ω , Separate H/V sync, TTL level, positive or negative

Maximum Pixel Clock

140 MHz

Power Consumption

AC 100 to 240 Vac(\pm 10 %), 60/50 Hz \pm 3 Hz

Signal Cable

15pin to 15pin D-sub cable, Detachable, 1.8 m

Signal Connectors

15pin 3-row D-Sub connector

Power Consumption

Less than 45 W

Dimensions (W x D x H) / Weight

370.0 x 60 x 316.0 mm / 14.6 x 2.4 x 13.5 inch (Without Stand) 370.0 x 200 x 404.0 mm / 14.6 x 7.9 x 15.9 inch (With Basic Stand) / 5.8 kg

VESA Mounting Interface

100 mm x 100 mm (for use with Specialty(Arm) Mounting hardware.)

Environmental considerations

Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating

Humidity: 10 % ~ 80 %, non-condensing

Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage

Humidity: 5 % ~ 95 %, non-condensing

Plug and Play Capability

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

Dot Acceptable

TFT LCD panel manufactured by using advanced semiconductor technology with precision of 1 ppm (one millionth) 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 uneasiness.

For example, the number of TFT LCD sub pixels that is contained in this product are 3,932,160.

× Design and specifications are subject to change without prior notice.

MagicNet

Specifications Item

LAN 10/100 Mbps

USB Version 2.0 (4 port)

Photo JPEG, BMP

Video MPEG1/2/4, DivX 4.x/5.x, WMV9

Others An analog output port is supported so that you can connect the output

from the Monitor to another display device. Macromedia's Flash is

included. Bsquare's Java Virtual Machine (JVM) is included.

Local Device (USB) Connection Speed

When booting up a monitor, a blank screen may appear for $3 \sim 4$ seconds until the MagicNet screen appears.

If you turn the monitor off while booting, it may damage the product.

Local Device (USB) compatibility

HID(Human Interface Devices): Keyboard, Mouse

MSC(Mass Storage Class), Devices using the SCSI(Small Computer System Interface) command set, FAT(File Allocation Table) System

Exception

Some manufacturers have wrongly specified their device to be USB standard compatible.

Our product has exception handling procedures.

But Some devices are unlikely to work properly.

Some manufacturers have wrongly specified their device to be SCSI compatible.

Such devices are unlikely to work properly.

It is recommended that USB devices are purchased after they are tested and confirmed to be compatible.

Specifications	PowerSaver	Preset Timing Modes
----------------	------------	---------------------

PowerSaver

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

State	Normal Operation	Power saving mode	Power off (Power button)
Power Indicator	Green	Green, Blinking	Black
Power Consumption	Less than 45 W	Less than 2 W (Off-mode)	Less than 2 W

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

State	Normal Operation	Power saving mode	Power off (Power button)
Power Indicator	Green	Green, Blinking	Black
Power Consumption	Less than 35 W	Less than 2 W (Off-mode)	Less than 2 W

Specifications PowerSaver Preset T

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 adjust the screen as follows.

Preset Timing Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (H/V)
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	100.00	-/-
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	-/+
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, 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	108.00	+/+
VESA, 1280 x 960	60.000	60.000	108.00	+/+
VESA, 1280 x 1024	63.981	60.020	108.00	+/+
VESA, 1280 x 1024	79.976	75.025	135.00	+/+

Horizontal Frequency

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





O Information

Contact SAMSUNG WORLD-WIDE Terms For Better Display Authority

Contact SAMSUNG WORLD-WIDE

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

		me	

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INDONESIA	0800-112-8888	http://www.samsung.com/id
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SINGAPORE	1800-SAMSUNG (7267864)	http://www.samsung.com/sg
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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 Vertical Frequency or Refresh Rate. Unit:

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 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 in order 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 'resolution'. This number shows the accuracy of the display. High resolution is good for performing multiple tasks as more image information can be shown on the screen.

Example: If the resolution is 1280 x 1024, this means the screen is composed of 1280 horizontal dots (horizontal resolution) and 1024 vertical lines (vertical resolution).

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For Better Display

Adjust computer resolution and screen injection rate (refresh rate) oncomputer as described below to enjoy the best quality of picture. You can have an uneven quality of picture in the screen if the best quality of picture is not provided in TFT-LCD.

▶ Resolution : 1280 x 1024

Vertical frequency (refresh rate): 60 Hz

TFT LCD panel manufactured by using advanced semiconductor technology with precision of 1ppm (one millionth) 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 uneasiness.

- For example, the number of TFT LCD sub pixels that is contained in this product are 3,932,160.
- When you clean the monitor and the panel outside, please apply the recommended small amount of cleaner by using soft and dry cloth and polish it. Let LCD area not to be forced but to be scrubbed out softly.

If excessive force is applied, you can have a stain on it.

- If you are not satisfied with the quality of picture, you can get better quality of picture by executing "auto adjustment function" in display screen that is appeared as window termination button is pressed.
 - If there's still noise after automatic adjustment, use FINE/COARSE adjustment function.
- If you view a fixed screen for an extended period of time, residual image or blurriness may appear. Change the mode to energy save or set a screensaver to moving picture when you need to be away from the monitor for an extended period of time.

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Authority

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Class B

This device is a Class B digital apparatus. For Safety and EMC compliance guide, you may refer to "Regulatory" Guide.



MÉXICO

IMPORTADO POR: SAMSUNG ELECTRONICS MÉXICO. S.A. de C.V.

Vía Lopez Portillo No. 6, Col. San Fco. Chilpan Tultitlán, Estado de México, C.P. 54940 Tel: 01-55-5747-5100 / 01-800-726-7864

EXPORTADO POR: Samsung Electronics CO.,LTD.

416, Mae tan-3dong, Yeongtong - gu, Suwon City, Gyeonggi-do Korea

PRODUCT INFORMATION (Image Retention Free)

LCD Monitors and TVs may have image retention when switching from one image to another especially after displaying a stationary image for a long time.

This guide is to demonstrate correct usage of LCD products in order to protect them from Image retention.

Warranty

Warranty does not cover any damage caused by image retention. Burn-in is not covered by the warranty.

What is Image retention ?

During normal operation of a LCD panel, pixel image retention doesn't occur. However, if the same image is displayed for a long time, a slight difference in electric charge accumulates between the two electrodes which encase the liquid crystal. This may cause the liquid crystal to build up in a certain areas of the display. Thus, the previous image is retained when switching to a new video image. All display products, including LCD, are subject to image retention. This is not a product defect.

Please follow the suggestions below to protect your LCD from image retention

Power Off, Screen Saver, or Power Save Mode Ex)

- Turn the power off when using a stationary pattern.
 - Turn the power off for 4 hours after 24 hours in use
 - Turn the power off for 2 hours after 12 hours in use
- · Use a Screen saver if possible
 - Screen saver in one color or a moving image is recommended.
- Set the Monitor to power off with the PC Display Properties Power Scheme.

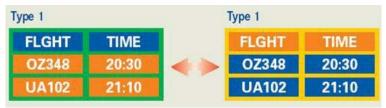
Suggestions for specific applications

Ex) Airports, Transit Stations, Stock Markets, Banks, and Controlling Systems We recommend that you follow set up of your display system program as below:

Display Information together with Logo or Moving image cycle.

Ex) Cycle: Display Information for 1 hour followed by a
Display Logo or moving image for 1 minute.

Change the Color Information periodically (Use 2 different colors). Ex) Rotate the Color Information with 2 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)
 Ex)

SYSTEM: 245
STATUS: NG
STATUS: NG

Recommended settings: Bright colors with little difference in luminance
 Change the characters color and background color every 30 minutes
 Ex)

SYSTEM: 245
STATUS: OK
SYSTEM: 245
STATUS: OK
SYSTEM: 245
STATUS: OK
SYSTEM: 245
STATUS: OK

- Every 30 minutes, change the characters with movement.

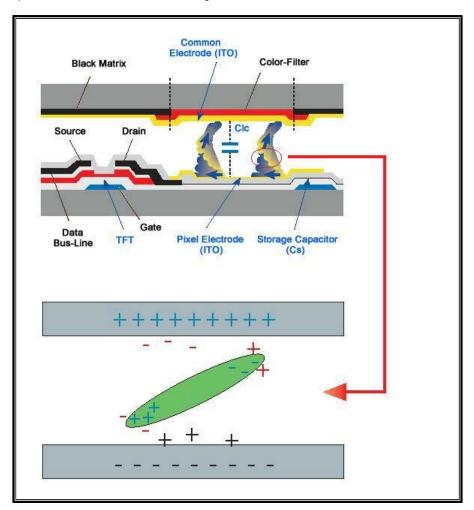


The best way to protect your monitor from Image retention is to set your PC or System to operate a Screen Saver program when you are not using it.

Image retention may not occur when a LCD panel is operated under normal conditions.

Normal conditions are defined as continuously changing video patterns. When the LCD panel is operated for a long time with a fixed pattern (-over 12 hours-), there may be slight difference in voltage between electrodes that work the liquid crystal (LC) in a pixel. The voltage difference between electrodes increases with time, forcing the liquid crystal to lean. When this occurs, the previous image may be seen when the pattern is changed.

To prevent this, the accumulated voltage difference must be decreased.



Our LCD Monitor satisfies ISO13406-2 Pixel fault Class II