



Digital Media System 700 Series

Operator and Product Safety Guide

Guía para el operador

Betriebsanleitung

Guide de l'utilisateur

操作員手冊

사용설명서

オペレーターズ ガイド

Guida dell'operatore



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Introduction

Thank You for Choosing 3M

Thank you for choosing 3M equipment. This product has been produced in accordance with 3M's quality and safety standards to provide smooth and trouble free use in the years to come.

For optimum performance, please follow the operating instructions carefully. We hope you will enjoy using this high performance product in your home, meetings, presentations, and training sessions.

Safety Information

Please read, understand, and follow all safety information contained in these instructions prior to the use of this 3M™ Digital Media System 700 Series. Retain these instructions for future reference.

3M™ Multimedia projectors are designed to operate in a normal office and home environment.

- 16° to 29°C (60° to 85°F)
- 10-80% RH (without condensation)
- 0-1828 m (0-6000 feet) above sea level

The ambient operating environment should be free of airborne smoke, grease, oil and other contaminants that can affect the operation or performance of the projector.

Use of this product in adverse conditions will void the product warranty.

Explanation of Signal Words and Symbols in Safety Labels and Instructions

WARNING: Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury and/or property damage.

CAUTION: Indicates a potentially hazardous situation, which if not avoided, may result in minor or moderate injury and/or property damage.



Warning: Hazardous Voltage



Warning: Hot Surface – High Temperature Lamp



Attention: Read Accompanying Documentation

⚠ WARNING

- **To reduce the risk associated with exposure to hazardous voltage:**
 - Do not remove any screws other than those specified in the lamp replacement instructions.
- **To reduce the risk associated with hazardous voltage:**
 - Do not operate this projector in wet environments or outdoors.
 - Do not modify this projector or power cord.
 - Do not attempt to service the projector; other than the lamp cartridge there are no user serviceable parts inside the projector.
 - Contact a 3M authorized service provider for service.
 - Disconnect power cord when the projector is not in use, during lamp replacement, and while cleaning.
 - Do not allow water or other liquids to enter the projector.
- **To reduce the risk associated with hazardous voltage and/or fire:**
 - Replace power cord if damaged.
 - Contact a 3M authorized service provider if the projector becomes damaged.
 - Use a grounded extension cord with a rating at least equal to that of the projector.
 - Connect this projector to a grounded outlet.
- **To reduce the risk associated with hot surface of lamp cartridge:**
 - Unplug the projector from the electrical outlet and allow the lamp to cool for 60 minutes before replacing the lamp.
- **To reduce the risk associated with choking:**
 - Keep the battery and battery cover away from children and pets.
- **To reduce the risk associated with environmental contamination due to mercury:**
 - Hg: Lamp contains mercury. Don't throw in trash. Dispose according to local, state, or federal laws. See www.lamprecycle.org or call 1-800-328-1371.
- **To reduce the risk associated with lamp rupture related hazards:**
 - In event of lamp rupture, call 3M authorized service provider for repair. Ruptured lamp repair is not user serviceable.
 - Wash your hands thoroughly if contact with ruptured lamp debris has taken place.
 - Ventilate the area where the lamp rupture occurs. The lamp operates at high temperature.
- **To reduce the risk associated with hazard voltage, and/or impact, and/or tripping, and/or intense visible light:**
 - Do not use this projector around unsupervised children.
- **To reduce the risk associated with sharps, premature lamp failure, exposure to mercury:**
 - Always handle the fragile lamp module with care.
 - Replace the lamp module when the lamp replacement message appears.
 - Never replace the lamp module with a previously used lamp module.

⚠ CAUTION

- **To reduce the risk associated with intense visible light:**
 - Avoid looking directly into the projector lens while the lamp is on.
- **To reduce the risk associated with impact of a falling projector:**
 - Use only the 3M brand wall/ceiling mounting hardware kit if wall or ceiling mounting is desired.
 - Installation of the 3M wall/ceiling kit must only be performed by qualified personnel.
 - Adhere strictly to the proper installation procedure as outlined in the installation instructions when installing the 3M wall/ceiling kit.
 - Always operate the unit on a flat, sturdy, and horizontal surface.
- **To reduce the risk associated with explosion, and/or chemicals from leaking battery:**
 - Use only with battery type AAA.
 - Orient the battery's plus (+) and minus (-) terminals according to the markings found on the remote control.
 - Do not leave the battery in the remote for an extended period of time.
 - Do not heat, disassemble, short, recharge, or expose the batteries to fire or high temperature
 - Do not carry batteries loose in your pocket or purse.
 - Avoid eye and skin contact in the event that battery would leak.
 - Do not mix used and new batteries.
- **To reduce the risk associated with tripping, and/or impact:**
 - Position the power cord and data cable so that they can not be tripped over.
- **To reduce the risk associated with environmental contamination due to battery chemicals:**
 - Dispose of exhausted batteries in accordance with applicable federal, state and local regulations.

**INTENDED USE**

Before operating the machine, please read the entire manual thoroughly. The 3M™ Digital Media System 700 was designed, built and tested for use indoors, using 3M™ brand lamps, 3M™ brand ceiling mount hardware and nominal local voltages. The use of other replacement lamps, outdoor operation or different voltages has not been tested and could damage the projector or peripheral equipment and/or create a potentially unsafe operating condition.

SAVE THESE INSTRUCTIONS

The information contained in this manual will help you operate and maintain your 3M Digital Media System 700 Series.

Trademarks

The 3M logo and 3M are registered trademarks of 3M Company. Vikuiti is a trademark of 3M Company.

Digital Light Processing is a trademark or registered trademark of Texas Instruments.

Warranty; Limited Remedy; Limited Liability

This product will be free from defects in material and manufacture for a period of one year from the date of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.** To obtain warranty service outside of the USA, immediately notify the dealer from which you purchased the product of any defects. In the USA call 1-800-328-1371 for warranty or repair service.

The warranty for lamps that are included as original equipment in the projectors is for parts only and is effective for a period of 90 days after the date of purchase of the projector or 180 hours of lamp usage, whichever occurs first.

Important: The above warranty shall be void if the customer fails to operate product in accordance with 3M's written instructions. This warranty gives you specific legal rights and you may have other rights that vary from state to state.

REGULATORY NOTICES

FCC STATEMENT - CLASS A: This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual may cause interference to radio communications. It has been tested and found to comply with the limits for a Class "A" computing device pursuant to Subpart B of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his/her own expense will be required to take whatever measures may be required to correct the interference.

EEC STATEMENT

- This machine was tested against the 89/336/EEC (European Economic Community) for EMC (Electro Magnetic Compatibility) and fulfills these requirements.
- This machine was tested against the 73/23/EEC (European Economic Community) for LVD (Low Voltage Directive) and fulfills these requirements.

This product is compliant with EU Directive 2002/95/EC (Restriction of Hazardous Substances in Electrical and Electronic Equipment), as amended by Commission Decision 2005/618/EC on maximum concentration values.

This product is compliant with EU Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).

Shipping Contents

Contents of Shipping Box

The 3M™ Digital Media System 700 is shipped with the necessary cables required for standard VCR, PC or laptop computer connections. Carefully unpack and verify that you have all of the items shown below in Figure 1–1. If any of these items are missing, please contact your place of purchase.

Note: A set of cables for connection to Apple Macintosh is available as an option.

The shipping carton contains the following items illustrated in Figure 1–1. If any of these items are missing, please contact your place of purchase.

1. Digital Media System 700
2. Remote control transmitter (AAA batteries included)
3. VGA-cable 1.8M 15-MAIL
4. Audio cable (RCA-mini jack)
5. Power cord set
6. S-video cable
7. Component video cables
8. Operator's guide



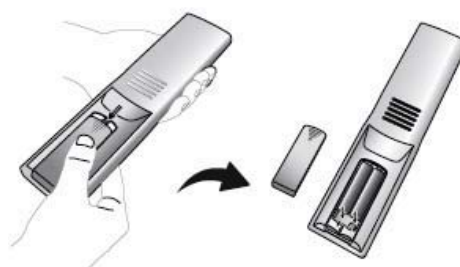
Figure 1-1. Inventory of Shipping Box

Optional Accessories

1. HDMI cable
2. RS232 cable

Installing or replacing batteries

Push on the cover and slide it to open. Install two AAA batteries with the correct polarities, then close the cover.



Keep Your Packing Materials

Save the shipping box and packing materials in the event the Digital Media System 700 should require shipping to a 3M Service Center for repair. Use packing material to protect projector.

What's Next?

Take a few minutes to review Section 2 to familiarize yourself with the Digital Media System 700 machine characteristics and then turn to Section 3 to set up the projector.

We hope you will enjoy using this high performance product in your meetings, presentations and training sessions. This product has been produced in accordance with 3M's highest quality and safety standards to ensure smooth and trouble-free use in the years to come.

Product Description

Benefits of Product

The 3M™ Digital Media System 700 is designed to meet the needs of both home and business users. This easy to use unit utilizes the powerful features of 3M's state of the art Vikuiti™ Super Close Projection (SCP) technology. SCP allows you to fully utilize the space available while still projecting a large, high quality image. This unit comes equipped with a superior sound system including built in sub woofer. Digital Media System 700 also includes a USB media reader that allows you the option to share your files and presentations without the use of a computer being connected.

Machine Characteristics

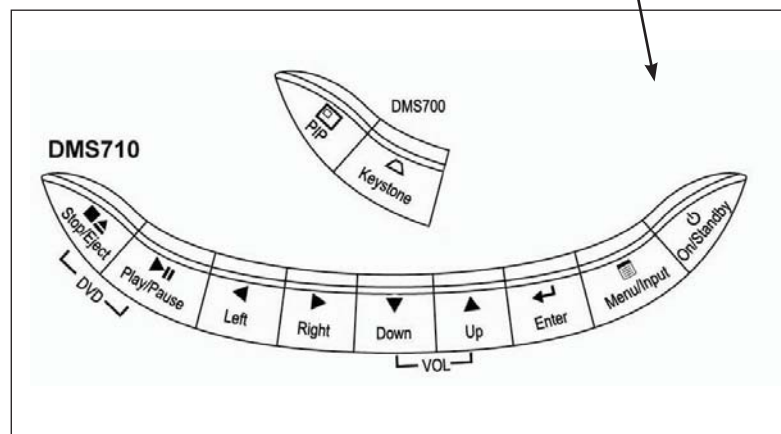
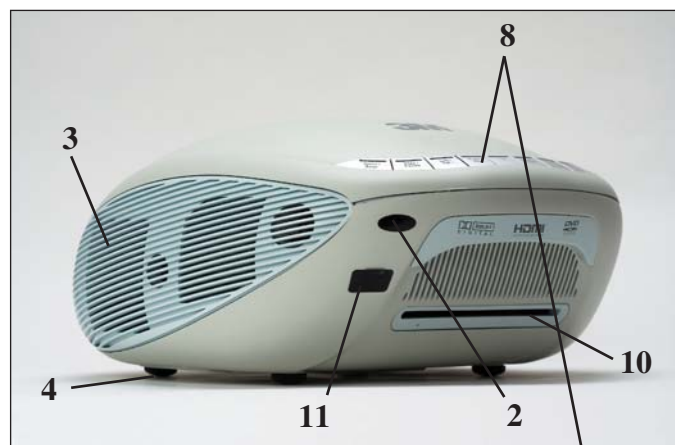
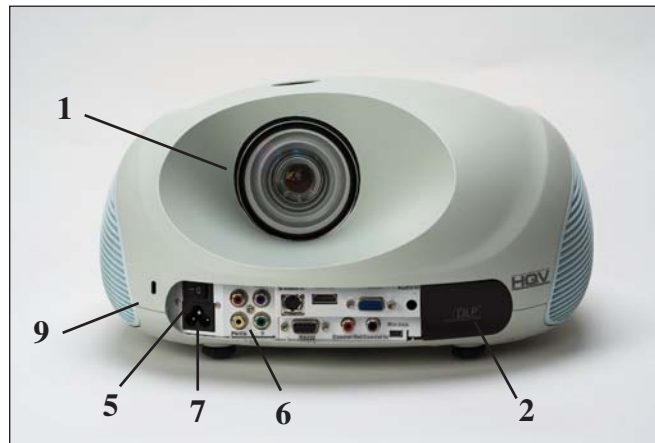
The Digital Media System 700 integrates metal halide lamp and Digital Light Processor (DLP) technology. It accepts input from computer and/or video sources and projects a super bright image.

The Digital Media System 700 Series offers the following features:

1. One panel 0.7" XGA projection system
2. Super Close Projection (SCP)
3. VGA/SVGA/XGA/SXGA/MAC PC compatibility
4. NTSC/PAL/SECAM/Composite/S-video/Component (YpbPr/YCbCr)/SDTV (480i,576i,)/EDTV(480p,576p)/HDTV (720p & 1080i) video compatibility
 - Ability to display 16.7 million colors
5. High contrast ratio with minimum 1500:1
6. Auto Image synchronization (Auto-tracking / frequency /position adjustment/source detect/Phase detect)
7. Automatically saves user settings.
8. On-screen menu with 8 languages (English, French, German, Spanish, Italian, Japanese, Tradition Chinese, and Simplified Chinese)
9. Built-in 5.1 sound system speakers (Digital Media System 710)
10. Self protect timer for hot re-strike of compact P-VIP lamp
11. Flash Drive Compatible USB port.
12. DVD Player (Digital Media System 710)

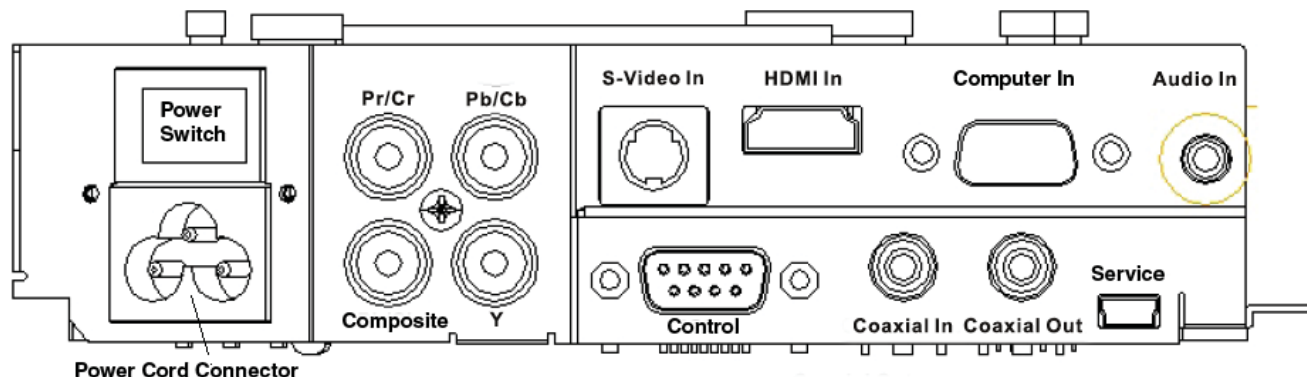
Parts Identification List

1. Lens
2. Remote Control Sensor
3. Built-In Speakers (stereo)
4. Height Adjustment Feet
5. Power Cord Connection
6. Input Terminals
7. Main Power Switch
8. Control Panel Keypad
9. Slot for Kensington™ Lock
10. DVD Player
11. USB Port



Connection

Projector Terminal Connections



Control Panel

- HDMI/In
- 3.5mm Mini Jack for PC Audio In and Out
- VGA In
- RCA L/R Audio In
- Composite Video In
- Mini Din 4-pin S-Video Input
- Min USB
- Power Switch
- Power Cord Connection

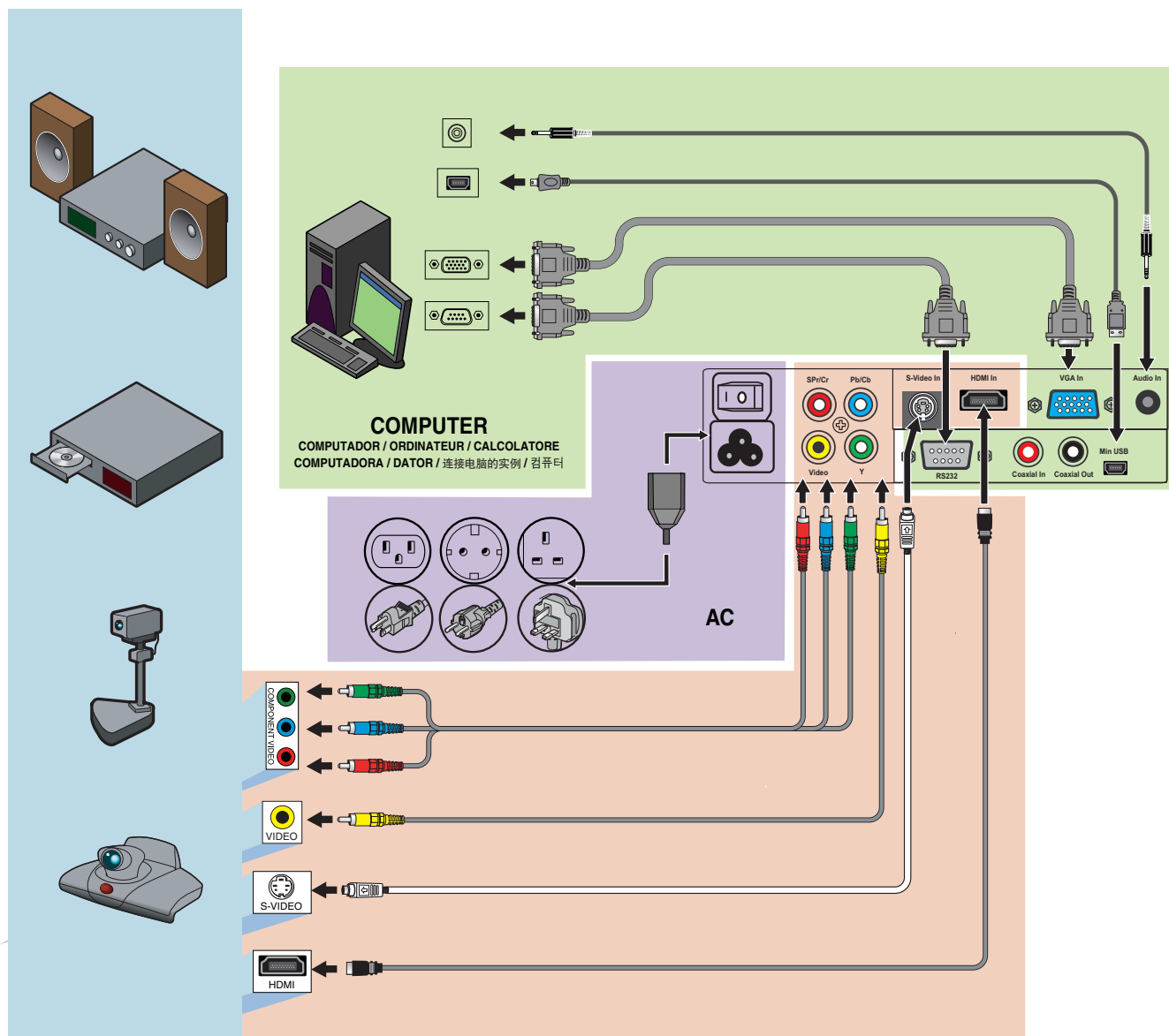


Cable Connections

1. Turn off all power to the projector and input sources during cable hook up.
2. Connect cables being careful not to bend any pins in the cable plug or input terminal.
3. Start up projector then start up input sources.

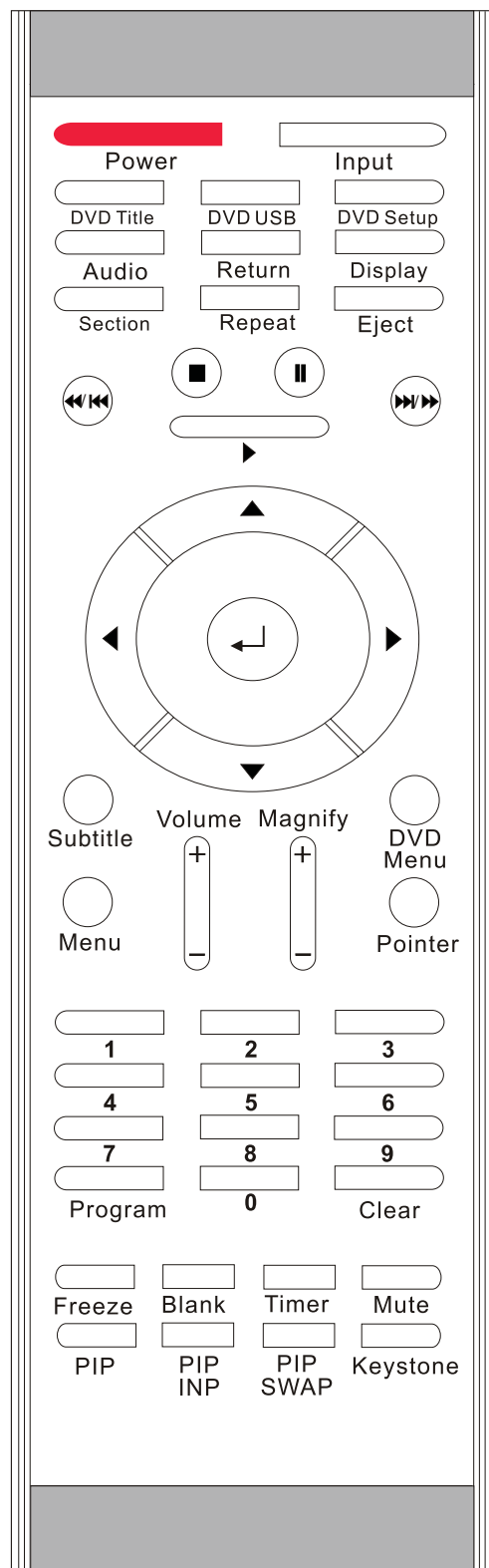
Digital Media System 700 Setup

ENGLISH



Remote Control Functions

Aim the remote control toward the projection screen or at the sensor. Press desired remote button to send a signal to the projector.



Power: Power ON/OFF Projector

Input: Select computer or video inputs

Blank: Removes projected image, white background. Press again to return projection image.

Freeze: Store (freeze) the projected image. Press FREEZE again to return the projection of the current image.

Mute: Press MUTE to switch the audio sound ON or OFF

Menu: Press and light MENU ON button to display the Main Menu. Move DISC PAD to select menu and/or adjust screen values.

Enter: Enter button for confirmation of selection

Keystone; Adjust the shape of image

Volume +: Increase Speaker Volume

Volume -: Decrease Speaker Volume

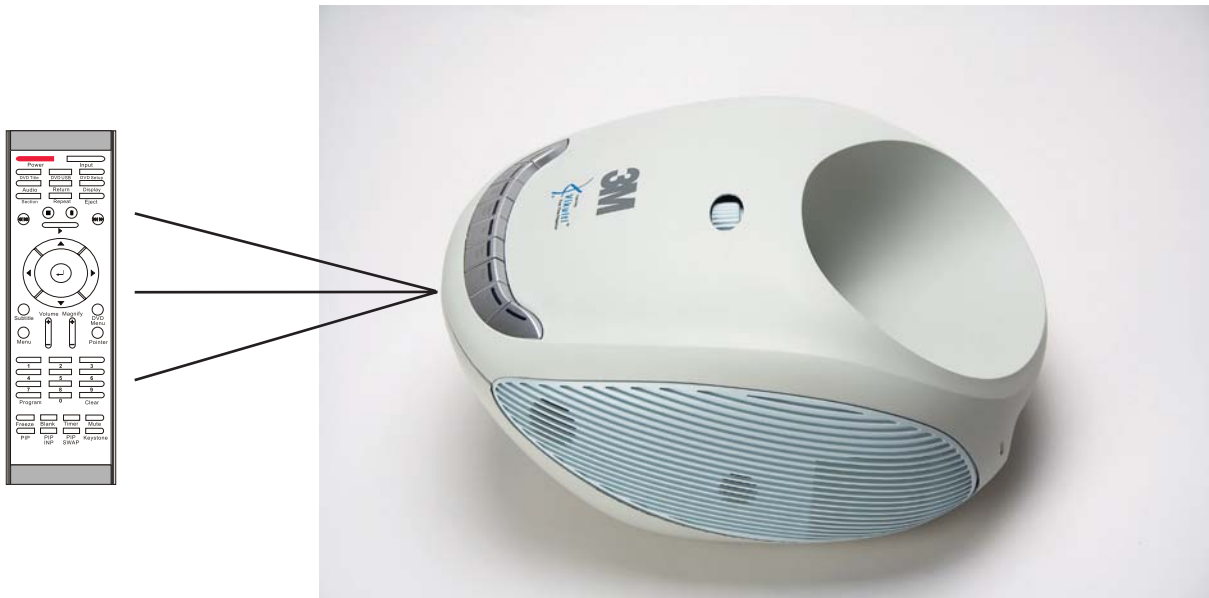
Magnify +: Increase size of the displayed image

Magnify -: Decrease size of the displayed image

Remote Control Notes

ATTENTION

- Do not drop or otherwise expose the remote control to physical impact.
- Do not get the remote control wet or place it on wet objects. Doing so may result in malfunction.
- Remove the batteries from the remote control and store them in a safe place if you won't be using the remote control for an extended period.
- Replace the batteries whenever the remote control starts to malfunction.
- When strong lights such as direct sunlight or light from an extremely close range (such as from an inverter fluorescent lamp) hit the projector's remote sensor, they may cause a malfunction. Adjust the direction of the projector to keep light from directly hitting the projector's remote sensor.
- The remote control works with the projector's remote sensor.
- The range of the remote sensor is 3 meters with a 60-degree range (30 degrees to the left and right of the remote sensor). Also a remote signal reflected in the screen may be available.
- Since the remote control uses infrared light to send signals to the projector (Class 1 LED), be sure to use the remote control in an area free from obstacles that could block the remote control's output signal to the projector.

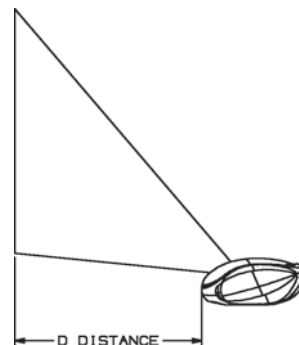


Basic Operations

Image Size (Projector-to-Screen Distance)

To adjust the size of the projected image adjust the zoom control buttons and distance to the screen.

Projection Screen Size (inches)	Projector Distance From Screen (inches)
40" (101.6 cm)	19.8" (50.3 cm)
50" (127.0 cm)	24.8" (62.9 cm)
60" (152.4 cm)	29.7" (75.5 cm)
70" (177.8 cm)	34.7" (88.1 cm)
80" (203.2 cm)	39.6" (100.7 cm)
90" (228.6 cm)	44.6" (113.2 cm)
100" (254.0 cm)	49.5" (125.8 cm)



Projector Start Up

Read the Important Safeguards before operating the Digital Media System 700 Series. After all cable connections have been completed, the projector can be powered up. For best results, please observe the following start up sequence.

1. Turn all of the connected equipment on.
2. Plug the supplied power cord into the AC inlet of the projector.
3. Press the power switch to ON to apply power to the projector (I = ON, O = OFF). The blue LED will flash.
4. Wait for few seconds until the fans are working smoothly.
The red LED will stop and blue LED will keep flashing.
5. Press ON on the keypad. The image will appear and grow brighter on the screen.
6. Check all ventilation slots and clear away any obstructions.
7. Turn the focus knob to adjust focus.
8. Raise/lower projector body to extend or retract feet (4) to obtain best image height. Rotate feet for fine adjustment.
9. Power up your computer source and video source(s).

Stand By Mode

When the projector is not being used, place it into standby mode.

1. Press the Power button on the Remote Control.
2. The lamp will switch off and the blue LED will illuminate.

Note: *The fan motor will continue to run for a few minutes until the projector cools down and then the fan will turn off.*

Start Up

1. Press the Standby button on Remote Control again to illuminate the lamp and project an image on the screen.

Projector Power Down

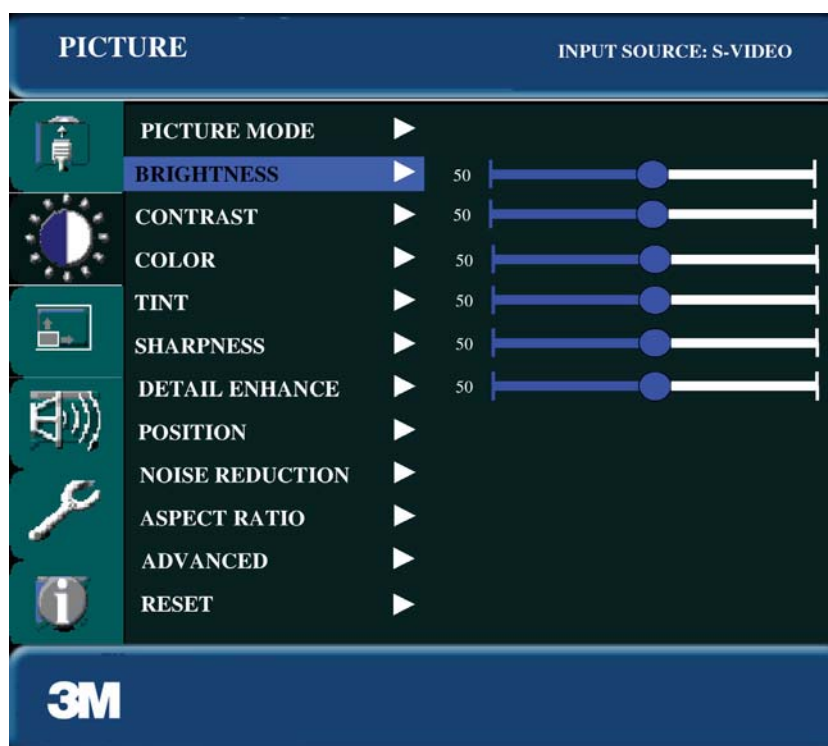
1. Press the Power button on Remote Control to place the projector in the standby mode (red and blue LED illuminates).
2. Wait until the cooling fan motor cycles off and the lamp red LED turns off.

Note: *Switching the main power off before the fan has cycled off will decrease the life of the projection lamp.*

3. Press the Main Power switch on Control Panel to Off.
4. Turn off the power of your input devices.
5. To transport the projector, disconnect all power and connection cables.

Menu Navigation

Most adjustments and settings are available in the main menu and sub-menus. To display and navigate the menu press the projector **Menu Keypad** button on the unit or the remote control **Menu** button. Use the Menu Keypad arrow buttons or the Direction Knob to move through the menu. Click the Enter button to change a menu item. Change the menu item by using the Menu Keypad or Direction Pad and then click Enter to return back to menu navigation.

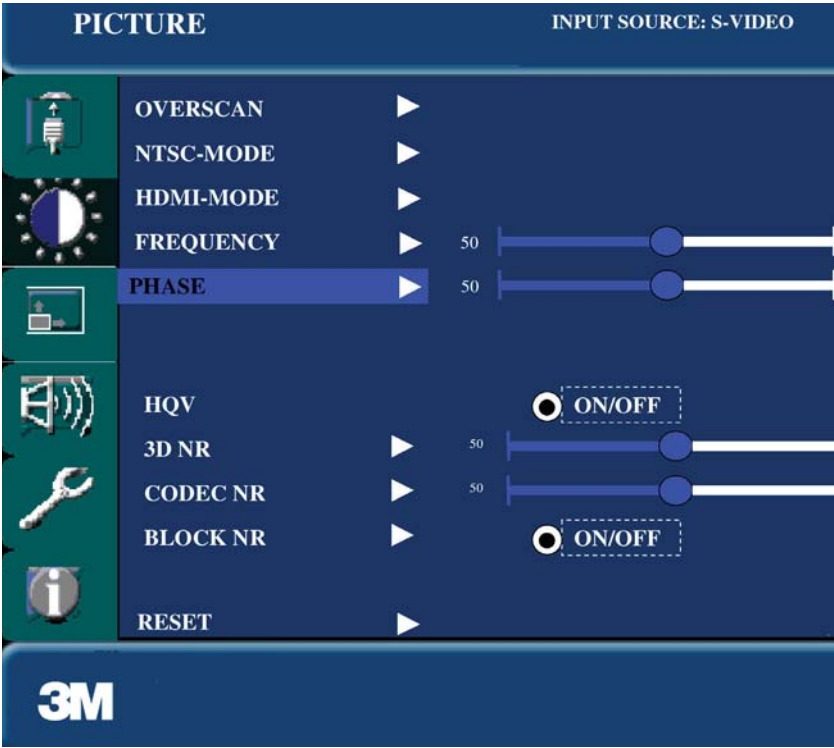


Picture sub menu

Action	Description	
Picture Mode	Picture modes are provided so the user can simply optimize the projector image set-up to suit his/her program type: 1) TV 2) Business 3) Cinema 4) Sports	The Color, adjustment values will change, but the user will adjust the Color settings relative to the Picture Modes. Picture Modes Change 1) Color Temperature 2) Gamma Table 3) Brightness 4) Contrast 5) Noise Reduction
Brightness	Adjusts the brightness of the image. The higher the setting, the brighter the image. The lower the setting, the darker the image.	
Contrast	Adjusts the degree of difference between the dark and light in the image. The higher the value, the greater the contrast.	
Color	Adjusts the intensity of the color in the image.	
Tint	Adjusts the balance of red-to-green necessary for realistic representation of video signals. If input is NSTC then the Tint/Hue is Active If input is Pal then the Tint/Hue is InActive For all other component input, Tint/Hue is Active	
Sharpness	Adjusts the image to make it look sharper or softer. (At higher values, will switch to Detail Enhancement).	
Detail Enhance	Brings out the detail of the image,	
Position	Adjusts the vertical and horizontal position of the projected image. Only VGA, DVI-D and DVI-A is Active.	

Noise Reduction	Adjusts the amount of noise reduction to be applied to the image. There are 4 settings: 1) Off 2) Low 3) Medium 4) High
Aspect Ratio	There are 4 Aspect Ratio settings: 1) Full Screen 2) Standard 3) Letter Box 4) Theatre-Wide(16:9)
Advanced	Allows the user to navigate into the advanced picture settings menu.
Reset	Resets values in this sub-menu only.

Table 1: Picture Sub Menu Function Description



Picture "Advanced" Display sub menu

Action	Description
Overscan	Adjusts the amount of cropping of the Image boundaries. (On/Off) Change overscan from 90 to 100 percentile (in 1 degree increments)
NSTC Mode <i>(Black-Level)</i>	Black Pedestal level 1) 0 IRE Pal, NSTC-JP 2) 7.5 IRE NSTC S-video and Composite will set the Black Level automatically between 0 IRE for Pal and 7.5 IRE for NSTC.
HDMI Mode	1) HDMI (Black level adjusted from 16-240) 2) DVI (Black Level adjusted from 0-255)
Phase	This function allows the user to the adjust the clock phase to reduce image distortion.
Frequency	Adjusts the horizontal width of the image
HQV	Turns HQV video processing On or Off
3D NR	Adjusts the amount of Temporal Noise reduction in the system
CODEC NR	Adjusts the amount of Mosquito and MPEG noise reduction in the system
BLOCK NR	Turns MPEG Block noise reduction On or Off
Reset	Resets values in this sub-menu only

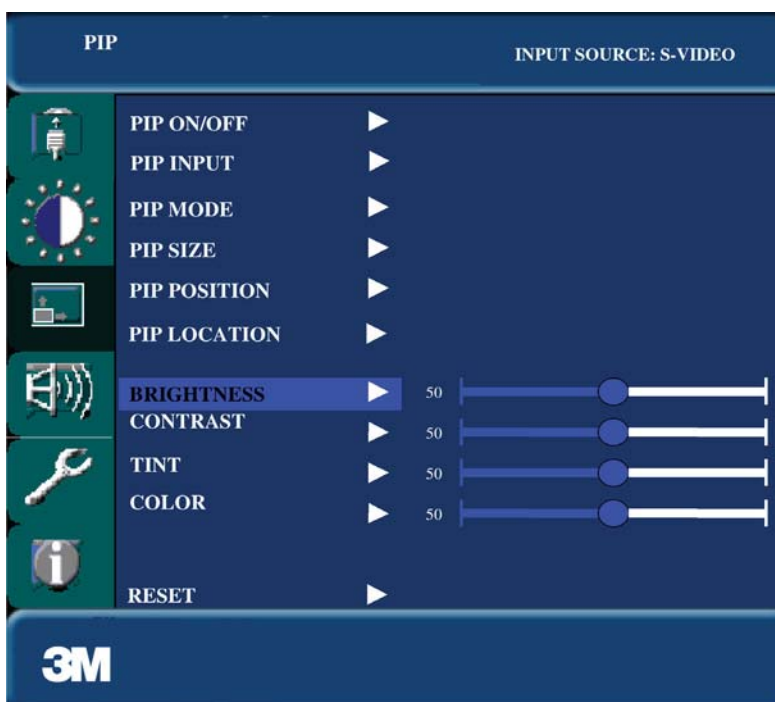
Table 2: Advanced sub menu function description



Input Display sub menu

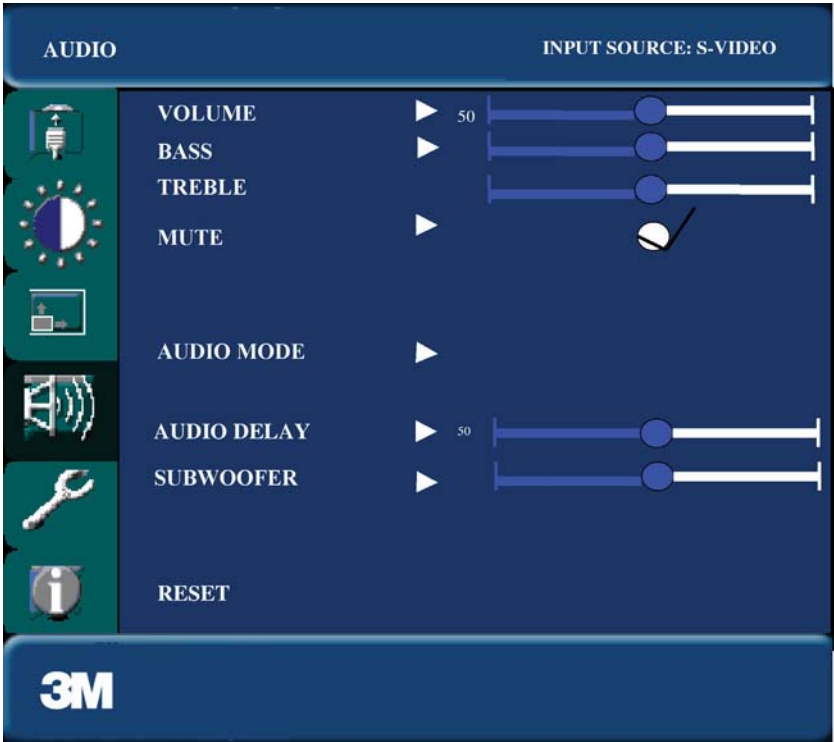
Action	Description
Main Input	<p>Allows the user to select which Input is to be displayed on the main channel:</p> <ul style="list-style-type: none">1) VGA2) Component3) DVI-D4) DVI-A5) S-Video6) Composite
Audio Input	<p>Allows the user to select which Audio Input is to be processed:</p> <ul style="list-style-type: none">1) DVD2) HDMI Input3) SPDIF Input4) Analog Input

Table 3: Input sub menu function description

**PIP Display sub menu**

Action	Description
PIP Picture In Picture	Allows the user to turn the PIP function On or Off.
PIP Input	Allows the user to select which Input is to be displayed on the main channel: 7) VGA 10) DVI-A 8) Component 11) S-Video 9) DVI-D 12) Composite
PIP Mode	Allows the user to choose which PIP mode to display: 1) PIP (Picture-In-Picture) 3) POP (Picture-On-Picture) 2) PAP (Picture-and-Picture)
PIP Size	Allows the user to choose the size of the PIP window: 1) Small 2) Medium 3) Large
PIP Position	Adjusts the vertical and horizontal position of the projected PIP image. Only VGA, DVI-D and DVI-A is Active.
PIP Location	Allows the user to choose the position of the PIP window: 1) Top left 2) Top right 3) Bottom left, Bottom right
Brightness	Adjusts the brightness of the image. The higher the setting, the brighter the image. The lower the setting, the darker the image.
Contrast	Adjusts the degree of difference between the dark and light in the image. The higher the value, the greater the contrast.
Tint	Adjusts the balance of red-to-green necessary for realistic representation of video signals.
Color	Adjusts the intensity of the Color in the image.

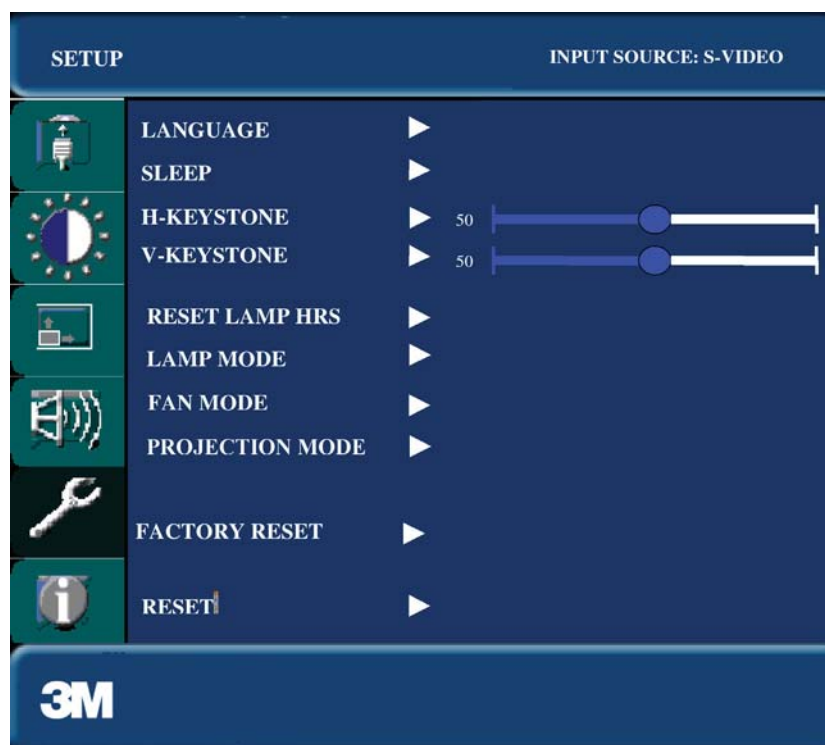
Table 4: PIP sub menu function description



Audio Display sub menu

Action	Description
Volume	Allows User to adjust volume From 0 to 50. At 0 the sound is muted automatically.
Bass	Allows User to adjust bass From 0 to 10.
Treble	Allows User to adjust treble From 0 to 10.
Mute	For the User to turn the sound On and Off.
Audio Mode	Allows User to Change the Audio Mode: 1) Stereo 2) Dolby Digital 3) ProLogic II 4) Concert Hall 5) Stadium
Audio Delay	Adjusts the amount of time delayed in audio (on top of T2 delay).
Subwoofer	Allows User to adjust Subwoofer gain from 0 to 10.

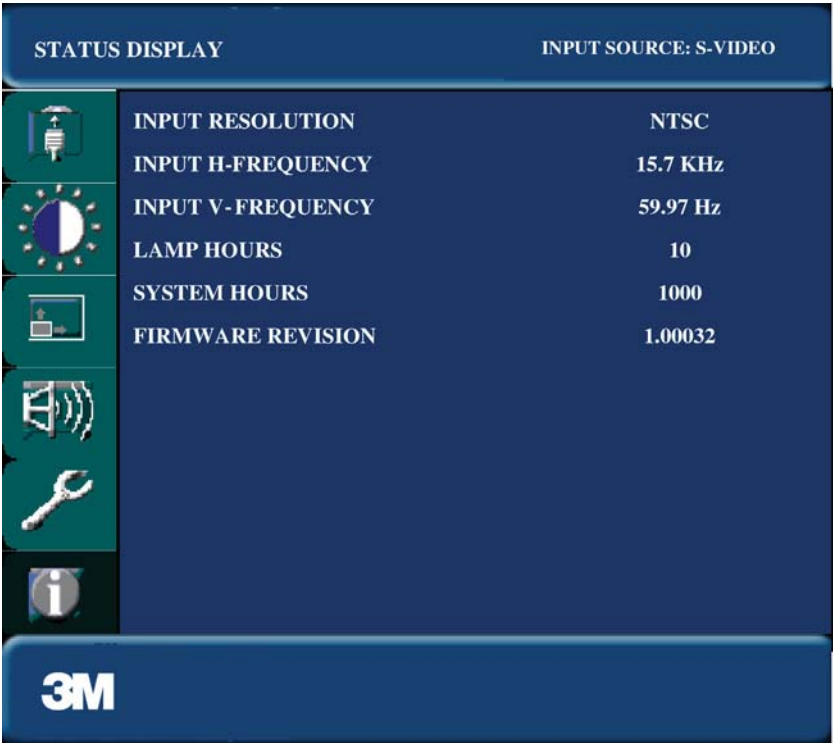
Table 5: Speaker Display sub menu Description



Setup Display sub menu

Action	Description
Language	Allows the user to select the Menu language: 1) English 6) Portugese 2) French 7) Japanese 3) Spanish 8) Mandarin Traditional 4) Deutsch 9) Mandarin Simplified 5) Italiano
Sleep	Powers down unit in: 1) 5 mins 5) 30 mins 2) 10 mins 6) 45 mins 3) 15 mins 7) 60 mins 4) 20 mins
H-Keystone	Horizontal Keystone adjustment (± 30)
V-Keystone	Vertical Keystone adjustment (± 20)
Reset Lamp hrs	Resets the Lamp hours status indicator in the Status window.
Lamp Mode	1) Normal 2) Eco
Fan Mode	3) Normal 4) High
Projection Mode	The projector can be installed on a ceiling or behind a screen 1) Front Projection 3) Ceiling Front Projection 2) Rear Projection 4) Ceiling Rear Projection
Factory Reset	Resets all Menu items to Factory default settings.
Reset	Resets values in this sub-menu only.

Table 6: Setup sub menu function description



Status Display sub menu

Troubleshooting

Error Messages

When the unit's power is ON, messages such as those shown below may be displayed. When any such message is displayed on the screen, please respond as described below. If the same message is displayed after the treatment, or if a message other than the following appears, please contact your dealer or service company.

Message	Description
CHANGE THE LAMP AFTER REPLACING LAMP, RESET THE LAMP TIMER.(*1)	Lamp usage time is approaching 2000 hours. (*2)Preparation of a new lamp and an early lamp change is recommended. After you have changed the lamp, please be sure to reset the lamp timer.
CHANGE THE LAMP AFTER REPLACING LAMP, RESET THE LAMP TIMER.(*1) THE POWER WILL TURN OFF AFTER ** hr. (*1)	Lamp usage time is approaching 2000 hours. (*2)A lamp change within ** hours is recommended. When lamp usage reaches 2000 hours, the power will automatically be turned OFF. Please change the lamp by referring to the "Maintenance" section of this manual. After you have changed the lamp, please be sure to reset the lamp timer.
NO INPUT IS DETECTED ON ***	There is no input signal. Please confirm the signal input connection, and the status of the signal source.
SYNC IS OUT OF RANGE ON ***FH *****kHz ***FV**Hz	The horizontal or vertical wavelength of the inputted signal is outside of the response parameters of this unit. Please confirm the specs for this unit or the signal source specs.
CHECK THE AIR FLOW	<p>The internal portion temperature is rising. Please turn the power OFF, and allow the unit to cool down at least 20 minutes. After having confirmed the following items, please turn the power ON again. Please turn the power ON again.</p> <ul style="list-style-type: none"> • Is there blockage of the air passage aperture? • Is the air filter dirty? • Does the peripheral temperature exceed 35°C?

NOTE

(*1) • Although this message will automatically disappear after 3 minutes, it will reappear every time the power is turned ON.

(*2) • Lamps have a finite product life. Lamps are characterized by the fact that, after long hours of usage, a lamp will no longer light up, or the lamp will break or burst. This unit is equipped with an automatic shut-down function, such that the power will automatically be turned OFF when lamp usage time has reached 2,000 hours. Please be aware, however, that among lamp types, there are major differences in product lifetimes; a lamp may thus fail to light even prior to the functioning of the automatic shut-down function of this unit.

Troubleshooting (continued)

Indicator Lamps

ATTENTION • When the interior portion has become overheated, for safety purposes, the power source is automatically turned off, and the indicator lamps may also be turned off. In such a case, press the “•” (power OFF) side of the main power switch and wait at least 45 minutes. After the unit has sufficiently cooled down, please make confirmation of the attachment state of the lamp and lamp cover, and then turn the power on again.

Lighting and flashing of the **power** indicator, the **lamp** indicator, and the **temp** indicator have the meanings as described in the table below. Please respond in accordance with the instructions within the table. If the same indication is displayed after the treatment, or if an indication other than the following is displayed, please contact your dealer or service company.

What Flashing Indicator Lamps Mean

Power indicator	Lamp indicator	Temp. indicator	Description
Lighting in orange	Turned off	Turned off	The unit is in a standby state. Please refer to the "Power ON/OFF" section of this manual.
Flashing in green	Turned off	Turned off	The unit is warming up. Please wait.
Lighting in green	Turned off	Turned off	The unit is in an ON state. Ordinary operations may be performed.
Flashing in orange	Turned off	Turned off	The unit is cooling down. Please wait.
Blinking in red			The unit is cooling down. A certain error has been detected. Wait until the power indicator has finished flashing, and then perform the proper response measure using the item descriptions below as reference.
Lighting or blinking in red	Lighting in red	Turned off	The projector lamp has not been properly fixed (attached), the projector lamp does not light, and/or there is a possibility that the interior portion has become heated. Turn the power OFF and wait at least 20 minutes. After the unit has sufficiently cooled down, please make confirmation of the following items, and then turn the power ON again. If the same indication is displayed, please change the lamp. <ul style="list-style-type: none"> • Is there blockage of the air passage aperture? • Is the air filter is dirty? • Does the peripheral temperature exceed 35°C?
Lighting or blinking in red	Blinking in red	Turned off	The lamp cover has not been properly fixed (attached). Turn the power OFF and wait at least 45 minutes. After the unit has sufficiently cooled down, please make confirmation of the attachment state of the lamp and lamp cover, and then turn the power ON again.

Lighting or blinking in red	Turned off	Blinking in red	<p>The cooling fan is not operating. Turn the power OFF and wait at least 20 minutes. After the unit has sufficiently cooled down, please make confirmation of the following item, and then reset the power to ON.</p> <ul style="list-style-type: none"> • Is there foreign matter caught in the cooling fan?
Lighting or blinking in red	Turned off	Lighting in red	<p>There is a possibility that the interior portion has become heated. Turn the power OFF and wait at least 20 minutes. After the unit has sufficiently cooled down, please make confirmation of the following items, and then reset the power to ON.</p> <ul style="list-style-type: none"> • Is there blockage of the air passage aperture? • Is the air filter is dirty? • Does the peripheral temperature exceed 35°C?
Lighting in green	Turned off	Alternative blinking in the red	<p>There is a possibility that the interior portion has become overcooled. Please use the unit within the usage temperature parameters (0°C to 35°C). After the treatment, reset the power to ON.</p>
Lighting in green	Turned off	Simultaneous blinking in red	<p>It is time to clean the air filter, or there is no air filter. Please immediately turn the power OFF, and clean or change the air filter by referring to the "Air Filter" section of this manual. After you have cleaned or changed the air filter, please be sure to reset the filter timer. After the treatment, reset the power to ON.</p>

Troubleshooting (continued)

Audio and Image Issues

Before requesting repair, please check in accordance with the following chart. If the situation cannot be corrected, then contact your dealer.

Problem	Cause / Solution
Power does not come ON.	The main power source is not ON.
	The electrical power cord is not plugged in.
	The main power source has been interrupted during operation, such as by a power outage (blackout), etc.
	Be sure to press the "O" (power OFF) side of the main power switch, and leave this OFF for at least 20 minutes. After the unit has sufficiently cooled down, turn ON the power source.
No sound or image output.	The input changeover settings are mismatched.
	Select the input signal, and correct the changeover settings.
	No signal input. Correctly connect the connection cables.
Pictures are displayed, but no sounds are heard.	The electrical wiring to this unit is not correctly connected.
	Correctly connect the connection cables.
	The volume setting has been set at (or adjusted to) an extremely low level. Adjust the VOLUME setting to a higher level.
	The MUTE mode is the current setting. Press the MUTE button to release (change) the MUTE mode setting.
Sounds are heard, but no pictures are displayed.	The electrical wiring to this unit is not correctly connected.
	Correctly connect the connection cables.
	The brightness setting has been set at (or adjusted to) an extremely low level. Adjust the BRIGHT setting to a brighter level.
	The lens cap has not been removed. Remove the lens cap.
Cannot play DVD.	Make sure the DVD player's LED indicator is lighting.
	Confirm that the disc is an original edition.
	Eject the disc and play again.
	Press "Menu" button while the projector is detecting the source, then press "Enter" button to reboot the DVD player.

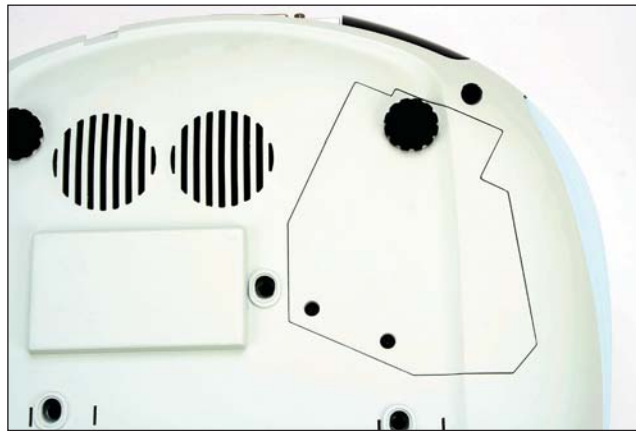
Maintenance

Replacing Projection Lamp

When the lamp's total working time accumulates to over 2000 hours, the on-screen display (OSD) will deliver a message recommending that you replace the lamp. Please contact a service center to replace the lamp as soon as possible, or refer to the following instructions to replace it yourself.

To replace the lamp:

1. Turn off the projector by pressing the “power” button on top of the unit.
2. Allow the projector to cool down for at least one hour.
3. Switch off the main power and disconnect the power cord.
4. Loosen two screws on the lamp cover and remove the lamp cover.
5. Loosen the screw on the lamp module. Remove the lamp module by pulling on the handle.
6. Insert a new lamp module into the socket; make sure it is in position.
7. Reverse step 4 and 5.
8. Ensure that the lamp cover is securely attached and flush with the bottom of the unit. The unit will not operate with the cover incorrectly installed.
9. Reset the lamp timer.



3M™ Digital Media System 700 Bottom View

Specifications

Note: These specifications are subject to change without notice.

Optical

Resolution:	Native, True XGA (1024 x 768)
Imager:	One panel 0.7" DLP projection system
Aspect Ratio:	4:3 native and 16:9 supported
Colors:	16.7 million true colors (24 bit)
Brightness:	1500 ANSI lumens – optimal for Vikuiti™ Super Close Projection
Contrast Ratio:	1300:1
Projection lens:	Manually adjustable focus, 130% offset, F2.4
Projection Image Size:	From 40" to 100"
Digital Zoom:	Excellent quality zooming from x4 to x32
Throw Ratio:	Vikuiti Super Close Projection Engine
Lamp Power:	230W
Lamp Life:	2000 hours (avg) at 230W

System Specifications

Video Compatibility:	NTSC, PAL, SECAM, SDTV, EDTV, HDTV, HDCP, S-Video, Component, Composite
PC Compatibility:	VGA/SVGA/XGA/SXGA/MAC
Electrical Keystone Correction:	Horizontal: +/- 30 degree; Vertical: +/- 40 degree
Cooling System:	4 fans with temperature control circuits
Noise Level:	Low system acoustic noise level
Operating Temperature:	10°C to 35°C
Storage Temperature:	-30°C to 65°C
Power Supply:	100-240V; 50Hz/60Hz
Safety Regulatory Approvals:	UL, cUL, TUV, CB, Japan-S-mark, Mexico NOM
EMC Regulation:	FCC Class B, CE Class B, CCC for China
Environmental Regulations:	RoHS and WEEE compliant
Power Consumption:	288W Max

Sound System

Built-in Dolby 2.0 Sound (700) / (2) 2.5W speakers
 Built-in Dolby 5.1 Sound (710) / (3) 2.5W, (2) 1.5W and (1) 5W subwoofer

USB Reader

Flash Drive Compatible USB Media Reader for .jpg presentations

DVD Player

Built-in digital DVD player (710 only)

Other Features

- Front access input/output interface
- Easy-to-read and operate control buttons and remote control
- Adjustable feet for various platforms
- Auto image synchronization
- Automatically saves user adjustments
- On-screen menu in 9 languages
- Kensington Security Slot
- Two IR receiver windows (front and rear)

Dimensions

13.5" (W) x 12.7" (D) x 6.1" (H)

343.5mm (W) x 321.6mm (D) x 155.3mm (H)

Weight

700: 9.9 lbs or 4.5kg

710: 10.6 lbs or 4.8kg

Other Care

Caring For The Inside Of The Projector

In order to ensure the safe use of your projector, please have it cleaned and inspected by your local dealer about once every 2 years. Never try to care for the inside of the unit yourself. Doing so is dangerous.

Caring For The Lens

1. Turn off the projector, and unplug the power cord.
2. Lightly wipe the lens with a commercially available lens-cleaning wipe. Do not touch the lens directly with your hand.

Caring For The Cabinet And Remote Control

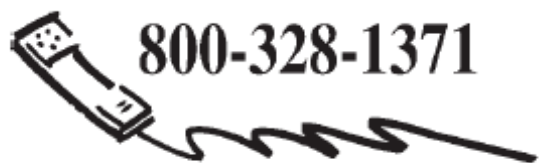
1. Turn off the projector, and unplug the power cord.
2. Wipe lightly with gauze or a soft cloth.

If soiling is severe, dip soft cloth in water or a neutral cleaner diluted in water, and wipe lightly after wringing well. Then, wipe lightly with a soft, dry cloth.



Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly set forth in a written agreement signed by an authorized officer of 3M.

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