

SAFETY PRECAUTIONS



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT OPEN TOP COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any part inside of this unit.



This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.



ATTENTION

RISQUE D'ELECTROCUTION
NE PAS OUVRIR



ATTENTION: POUR EVITER LES RISQUES D' ELECTROCUTION, NE PAS ENLEVER LE CONVERCLE SUPERIEUR. AUCUN DES ELEMENTS INTERNES NE DOIT ETRE REPARÉ PAR L'UTILISATEUR. NE CONFIER L' ENTRETIEN QU'A UN PERSONNEL QUALIFIE.



L'éclair fléché dans un triangle équilatéral est destiné à avertir l'utilisateur de la présence, dans l'appareil, d'une zone non-isolée soumise à une haute tension dont l'intensité est suffisante pour constituer un risque d'électrocution.



Le point d'exclamation dans un triangle équilatéral est destiné à attirer l' attention de l'utilisateur sur la présence d'informations de fonctionnement et d'entretien importantes dans la brochure accompagnant l'appareil.



WARNING

HEATSINK MAY BE ENERGIZED.
TEST BEFORE TOUCHING.

Heat sink CR1, IC1 and Q1, R73(See page 7-16), located on the power board, is electrified. Pay attention to this area.

SAFTY PRECAUTIONS

During servicing carefully observe the following.

1. OBSERVE ALL PRECAUTIONS

Items and locations that require special care during servicing, such as the cabinet, chassis, and parts are labelled with individual safety instructions. Carefully comply with these instructions and all precautions in the instruction manual.

2. BE CAREFUL OF ELECTRIC SHOCK

The chassis carries an AC voltage. If you touch the chassis while it is still alive, you will get a severe shock. If you think the chassis is alive, use an isolating transformer or gloves, or pull out the plug before replacing any parts.

3. USE SPECIFIED PARTS

The components have been chosen for minimum flammability and for specific levels of resistance value and withstand voltage. Replacement parts must match these original specifications. Parts whose specifications are particularly vital to safe use and maintenance of the set are marked Δ on the circuit diagrams and parts list. Substitution of these parts can be dangerous for you and the customer, so use only specified parts.

4. REMOUNT ALL PARTS AND RECONNECT ALL WIRES AS ORIGINALLY INSTALLED

For safety, insulating tape and tubes are used throughout, but some lift-off parts on the printed wiring board require special attention.

All wires are positioned away from high-temperature and high-voltage parts, and, if removed for servicing, they must be retuned precisely to their original positions.

5. Ballast Unit

The ballast unit generates a high voltage at start. Do not switch power on particularly when it has no lamp in it.

6. Lamp

Be very careful of the lamp because it is hot when power is on. Before replacing the bulb, make sure it is cool enough.

7. Lens

Do not look into the lens during projection. This important to avoid damage to the eyes.

8. RUN A COMPLETE SAFETY CHECK AT THE COMPLETION OF SERVICING

After completion of servicing, confirm that all screws, parts, and wiring, removed or disconnected for servicing, have been returned to their original positions. Also examine if the serviced sections and peripheral areas have suffered from any deterioration as a result of servicing. In addition, check insulation between external metallic parts and blades of wall-outlet plugs. This examination is indispensable in confirming complete establishment of safety.

(Insulation check)

Pull out a plug from a wall outlet to disconnect the connection cable. Then turn on the POWER switch. Use a 500V megger (Note 2) and confirm that the insulation resistance is $1M\Omega$ or more between each terminal of the plug and exposed external metal (Note 1). If the measured value is below the specified level, then it is necessary to inspect and fix the set.

(Note 1)

Exposed external metal....RGB input terminals, control terminals, etc.

(Note 2)

If a 500V megger is not available for an unavoidable reason, then use a circuit tester or the like for inspection.

USERS MANUAL

IMPORTANT INFORMATION

Precautions

Please read this manual carefully before using your NEC MultiSync MT810 LCD Projector and keep the manual handy for future reference.

Your serial number is located next to the main power switch on the back of your MultiSync MT810. Record it here:

CAUTION



**LASER RADIATION-
DO NOT STARE INTO BEAM**

**WAVE LENGTH: 670 nm
MAX. OUTPUT: 1 mW
CLASS II LASER PRODUCT**

CAUTION

TO PREVENT SHOCK, DO NOT OPEN THE CABINET. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED NEC SERVICE PERSONNEL.



This symbol warns the user that uninsulated voltage within the unit may be sufficient to cause electrical shock. Therefore, it is dangerous to make any kind of contact with any part inside of the unit.



This symbol alerts the user that important information concerning the operation and maintenance of this unit has been provided. The information should be read carefully to avoid problems.

WARNING

TO PREVENT FIRE OR SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. DO NOT USE THIS UNIT'S GROUNDED PLUG WITH AN EXTENSION CORD OR IN AN OUTLET UNLESS ALL THREE PRONGS CAN BE FULLY INSERTED. DO NOT OPEN THE CABINET. THERE ARE HIGH-VOLTAGE COMPONENTS INSIDE. ALL SERVICING MUST BE DONE BY QUALIFIED NEC SERVICE PERSONNEL.

DOC Compliance Notice

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

RF Interference

WARNING

The Federal Communications Commission does not allow any modifications or changes to the unit EXCEPT those specified by NEC Technologies in this manual. Failure to comply with this government regulation could void your right to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

Important Safeguards

These safety instructions are to ensure the long life of your LCD projector and to prevent fire and shock. Please read them carefully and heed all warnings.

Installation

1. For best results, use your LCD projector in a darkened room.
2. Place the projector on a flat, level surface in a dry area away from dust and moisture.
3. Do not place your LCD projector in direct sunlight, near heaters or heat radiating appliances.
4. Exposure to direct sunlight, smoke or steam can harm internal components.
5. Handle your LCD projector carefully. Dropping or jarring can damage internal components.
6. Do not place heavy objects on top of the LCD projector.

7. If installing the LCD projector on the ceiling:

- a. The ceiling must be strong enough to support the LCD projector and the installation must be in accordance with any local building codes.
- b. The LCD projector must be installed by qualified NEC service personnel.

Power Supply

1. The LCD projector is designed to operate on a power supply of 100-120 or 220-240 V 50/60 Hz AC. Ensure that your power supply fits this requirement before attempting to use your LCD projector.
2. Handle the power cable carefully and avoid excessive bending. A damaged cord can cause electric shock or fire.
3. If the LCD projector is not to be used for an extended period of time, disconnect the plug from the power outlet.

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Cleaning

1. Unplug the LCD projector before cleaning.
2. Clean the cabinet periodically with a damp cloth. If heavily soiled, use a mild detergent. Never use strong detergents or solvents such as alcohol or thinner.
3. Use a blower or lens paper to clean the lens, and be careful not to scratch or mar the lens.
4. Clean the air filter with a vacuum cleaner after every 100 hours of operation.
 - a. Clean the outside of the filter with a vacuum cleaner.
 - b. Do not use water or any other liquid to clean the air filter.
 - c. Do not operate your LCD projector without the air filter.

Lamp Replacement

- Be sure to replace the lamp when the Status light comes on. If you continue to use the lamp after 2000 hours of use, the lamp bulb may shatter, and pieces of glass may be scattered in the lamp case. Do not touch them as the pieces of glass may cause injury. If this happens, contact your NEC dealer for lamp replacement.
- Allow a minimum of ONE minute to elapse between turning the lamp off and on. High voltage is applied to the lamp immediately when the power is turned on. Therefore turning the power off and quickly back on may shorten the life of your lamp and result in damage to your LCD projector.

Fire and Shock Precautions

1. Ensure that there is sufficient ventilation and that vents are unobstructed to prevent the build-up of heat inside your LCD projector. Allow at least 3 inches (10cm) of space between your LCD projector and a wall.
2. Prevent foreign objects such as paper clips and bits of paper from falling into your LCD projector. Do not attempt to retrieve any objects that might fall into your projector. Do not insert any metal objects such as a wire or screwdriver into your LCD project. If something should fall into your projector, disconnect it immediately and have the object removed by a qualified NEC service person.
3. Do not place any liquids on top of your LCD projector.

- **Do not look into the lens while the projector is on. Serious damage to your eyes could result.**
- **Do not look into the laser pointer while it is on and do not point the laser beam at another person. Serious injury could result.**

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ATTENTION

RISQUE D'ELECTROCUTION NE PAS OUVRIR

ATTENTION

RAYONNEMENT LASER NE PAS
REGARDER DANS LE FAISCEAU



LONGUEUR D'ONDE: 670 nm
MAX. SORTIE: 1 mW
APPAREIL A LASER DE CLASSE 2



Ce symbole a pour but de prévenir l'utilisateur de la présence d'une tension dangereuse, non isolée se trouvant à l'intérieur de l'appareil. Elle est d'une intensité suffisante pour constituer un risque d'électrocution. Eviter le contact avec les pièces à l'intérieur de cet appareil.



Ce symbole a pour but de prévenir l'utilisateur de la présence d'importantes instructions concernant l'entretien et le fonctionnement de cet appareil. Par conséquent, elles doivent être lues attentivement afin d'éviter des problèmes.

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AVERTISSEMENT

AFIN DE REDUIRE LES RISQUES D'INCENDIE OU D'ELECTROCUTION, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU A L'HUMIDITE. AUSSI, NE PAS UTILISER LA FICHE POLARISEE AVEC UN PROLONGATEUR OU UNE AUTRE PRISE DE COURANT SAUF SI CES LAMES PEUVENT ETRE INSEREES A FOND. NE PAS OUVRIR LE COFFRET, DES COMPOSANTES HAUTE TENSION SE TROUVENT A L'INTERIEUR. LAISSER A UN PERSONNEL QUALIFIE LE SOIN DE REPARER CET APPAREIL.

Importantes précautions de sécurité

Les points suivants sont des précautions de sécurité importantes destinées à garantir une longue durée de service du projecteur à écran à cristaux liquides (LCD) et afin d'éviter un incendie et des risques d'électrocution. S'assurer de lire attentivement ces précautions de sécurité et respecter tous les avertissements décrits ci-dessous.

Installation

1. Pour un fonctionnement optimal, utiliser le projecteur à écran à cristaux liquides (LCD) dans une pièce sombre.
2. Placer le projecteur à écran à cristaux liquides (LCD) sur une surface à niveau et dans un endroit sec exempt de poussières et d'humidité.
3. Ne pas placer le projecteur à écran à cristaux liquides (LCD) en plein soleil, près d'appareils ménagers ou d'autres appareils de chauffage.

DOC avis de conformation

DOC avis de conformation

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le Matériel Brouilleur du Canada.

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4. La fumée, la vapeur et l'exposition aux rayons directs du soleil risquent de détériorer sérieusement les composantes internes.
5. Éviter des manipulations brusques lors du déplacement du projecteur à écran à cristaux liquides (LCD), car un choc violent pourrait endommager les composantes internes.
6. Ne pas déposer d'objets lourds sur le dessus du projecteur à écran à cristaux liquides (LCD).
7. Lors de l'installation du projecteur à écran à cristaux liquides (LCD) au plafond, respecter les instructions suivantes.
 - a. Le plafond doit être suffisamment solide pour supporter le poids du projecteur à écran à cristaux liquides (LCD) et il doit être installé selon les codes de construction locaux.
 - b. Le projecteur à écran à cristaux liquides (LCD) doit être installé par un personnel qualifié.

Alimentation

1. Le projecteur à écran à cristaux liquides (LCD) est conçu pour fonctionner à 100-120 ou 220-240VCA 50/60Hz. S'assurer que la tension d'alimentation locale satisfait cette exigence avant d'utiliser le projecteur.
2. Manipuler le câble d'alimentation avec précaution et éviter de le plier excessivement. Un cordon endommagé risque de provoquer une électrocution ou un incendie.

Remplacement de la lampe

- Assurez-vous de bien remplacer la lampe lorsque le voyant d'usure s'allume. Si vous continuez d'utiliser la lampe après 2000 heures d'utilisation, l'ampoule peut se briser et des brisures de verre peuvent être éparpillées dans le compartiment de la lampe. Ne les touchez pas car elles peuvent vous blesser. Dans ce cas, contactez votre revendeur NEC afin de procéder au remplacement de la lampe.
- Attendez minimum UNE minute après avoir éteint la lampe avant de la rallumer. Une haute tension est immédiatement appliquée à la lampe quand celle-ci est mise sous tension. Par conséquent, éteindre, puis tout de suite rallumer peut abrégé la vie de votre lampe et endommager votre projecteur LCD.

Précautions pour éviter un incendie ou une électrocution

1. Une ventilation appropriée doit être assurée afin d'éviter une accumulation de chaleur à l'intérieur du projecteur à écran à cristaux liquides (LCD). S'assurer que les trous de ventilation ne sont pas obstrués. Laisser un espace d'au moins 10 cm (quatre pouces) entre le projecteur à écran à cristaux liquides (LCD) et les murs.

3. Si le projecteur à écran à cristaux liquides (LCD) n'est pas utilisé pendant une période prolongée, retirer la fiche de la prise secteur.

Nettoyage

1. Débrancher le projecteur à écran à cristaux liquides (LCD) de la prise d'alimentation avant le nettoyage.
2. Nettoyer régulièrement le coffret avec un chiffon doux. S'il y a des taches tenaces, utiliser une solution d'un détergent doux. Ne jamais utiliser de détergents puissants ou des solvants, tel que l'alcool ou un diluant pour nettoyer le projecteur à écran à cristaux liquides (LCD).
3. Utiliser un appareil diffuseur chauffant ou du papier de nettoyage de lentille disponible dans le commerce pour nettoyer la lentille.

Ne pas frapper ou rayer la surface de la lentille, car des défauts risquent de se produire sur la surface de la lentille.

4. Nettoyer le filtre à air toutes les 100 heures.
 - a. Nettoyer seulement l'extérieur avec un aspirateur.
 - b. Ne pas nettoyer le filtre à air avec de l'eau ou un liquide.
 - c. Ne pas utiliser le projecteur à écran à cristaux liquides (LCD) sans le filtre à air.

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2. Éviter que des objets étrangers, des agrafes, des clous et du papier, par exemple, pénètrent à l'intérieur du projecteur à écran à cristaux liquides (LCD). Ne pas essayer de récupérer ces objets soi-même ou ne pas insérer des objets métalliques, des fils et des tourne-vis, par exemple à l'intérieur du projecteur à écran à cristaux liquides (LCD). Si un objet tombe à l'intérieur du projecteur à écran à cristaux liquides (LCD), le débrancher immédiatement et contacter un réparateur qualifié pour retirer l'objet.
 3. Ne pas placer des liquides sur le dessus du projecteur à écran à cristaux liquides (LCD).
- **Ne regardez pas à l'intérieur de l'objectif lorsque le projecteur est en marche. Vous risquez de vous blesser gravement aux yeux.**
 - **Ne regardez pas à l'intérieur de la flèche laser lorsque celle-ci est en marche et ne dirigez pas le rayon laser sur une autre personne. Vous risquez de provoquer une blessure grave.**

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LIMITED WARRANTY

NEC MultiSync® LCD Projector Products

NEC Technologies, Inc. (hereafter NECTECH) warrants this product to be free from defects in material and workmanship under the following terms.

HOW LONG IS THE WARRANTY?

Parts and labor are warranted for (2) two years from the date of the first customer purchase. The lamp is warranted for 2000 hours of operating time or six months, whichever comes first.

WHO IS PROTECTED?

This warranty may be enforced only by the first purchaser.

WHAT IS COVERED AND WHAT IS NOT COVERED

Except as specified below, this warranty covers all defects in material or workmanship in this product. The following are not covered by the warranty:

1. Any product which is not distributed in the U.S.A., Canada and Mexico by NECTECH or which is not purchased in the U.S.A., Canada or Mexico from an authorized NECTECH dealer. If you are uncertain as to whether a dealer is authorized, please contact NECTECH at 800-836-0655.

2. Any product on which the serial number has been defaced, modified or removed.
3. Damage, deterioration or malfunction resulting from:
 - a. Accident, misuse, abuse, neglect, fire, water, lightning or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - b. Repair or attempted repair by anyone not authorized by NECTECH.
 - c. Any shipment of the product (claims must be presented to the carrier).
 - d. Removal or installation of the product.
 - e. Any other cause which does not relate to a product defect.
4. Cartons, carrying cases, batteries, external cabinets, magnetic tapes, or any accessories supplied with the product.

WHAT WE WILL PAY FOR AND WHAT WE WILL NOT PAY FOR

We will pay labor and material expenses for covered items. But we will not pay for the following:

1. Removal or installation charges.

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2. Costs of initial technical adjustments (set-up), including adjustment of user controls. These costs are the responsibility of the NECTECH dealer from whom the product was purchased.
3. Payment of shipping charges.

HOW YOU CAN GET WARRANTY SERVICE

1. To obtain service on your product, consult the dealer from whom you purchased the product.
2. Whenever warranty service is required, the original dated invoice (or a copy) must be presented as proof of warranty coverage. Please be prepared to describe or demonstrate the problem to your dealer.
3. For the name of the nearest NECTECH authorized service center, call NECTECH at 800-836-0655.

LIMITATION OF IMPLIED WARRANTIES

ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.

EXCLUSION OF DAMAGES

NECTECH'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AT OUR OPTION. NECTECH SHALL NOT BE LIABLE FOR:

1. DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THIS PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, COMMERCIAL LOSS; OR
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU.

HOW STATE LAW RELATES TO THE WARRANTY

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

FOR MORE INFORMATION, TELEPHONE 800-366-5213

NEC TECHNOLOGIES, INC.
1250 N. Arlington Heights Road, Suite 500
Itasca, Illinois 60143-1248

NOTE: All products returned to NECTECH for service **MUST** have prior approval. To get approval, call NEC Technologies at 800-836-0655.

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1 INTRODUCTION

This section introduces you to your new MultiSync MT810 LCD Projector, provides a list of materials that comes with your projector and describes the features and controls.

Congratulations On Your Purchase Of The MultiSync MT810 LCD Projector

The MultiSync MT810 is one of the very best LCD projectors available today. The multiple LCD panels enable you to project precise images up to 300 inches across (measured diagonally) from your PC or Macintosh computer (desktop or notebook), VCR, document camera, or even a laser disc player.

You can use the projector on a tabletop or cart, you can permanently mount it on a ceiling*, or you can use MultiSync MT810 LCD Projector to project images from behind the screen. The remote control can be used wirelessly or with a cable, and you can even use the remote control with the remote mouse receiver to operate the mouse on your PC or Mac. But best of all, the MultiSync MT810 is an NEC LCD projector. That means you can depend on years of reliable performance and crystal-clear presentations!

The features you'll enjoy include:

- Simple set up and operation.
- A high-performance 250 watt metal halide lamp that delivers 550 ANSI lumens and is guaranteed for 2000 hours of service or six months, whichever comes first.
- A wireless remote control that operates the projector from any angle.
- A laser pointer that's built into the remote control.
- The power zoom control enables you to adjust the image to be between 20 and 300 inches (measured diagonally).
- You can choose between video modes depending on your source: "normal" for a typical picture, "natural" for true color reproduction, and "camera" for use with a document camera or low APL picture.
- The "image capture" enables you to use the entire picture as a background image or to create an image loop.
- An image can be projected from in front of or behind a screen, and the projector can even be installed on the ceiling.

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- Supports most IBM VGA, S-VGA, XGA(pseudo), Macintosh, at 832 x 624 (pseudo) or any other RGB signals within a horizontal frequency range of 15.754 to 60 kHz and a vertical frequency range of 50 to 85Hz. This includes NTSC, PAL, SECAM, NTSC4.43, standard video signals.

Note: Composite video standards are as follows:

NTSC: U.S. TV standard for video in U.S. and Canada.

PAL: TV standard used in western Europe

SECAM: TV standard used in France and Eastern Europe

NTSC4.43: TV standard used in Middle East countries

- The remote control can be used with or without a cable, and you can even use the remote to operate your PC or Macintosh mouse wirelessly from across the room with the remote mouse receiver.
- You can control your MultiSync MT810 LCD Projector with a PC.
- The contemporary cabinet design is compact, easy to carry, and complements any office, board room or auditorium.

* Installing the MultiSync MT810 LCD Projector on the ceiling must be done by authorized NEC technicians. Consult your NEC dealer for more information.

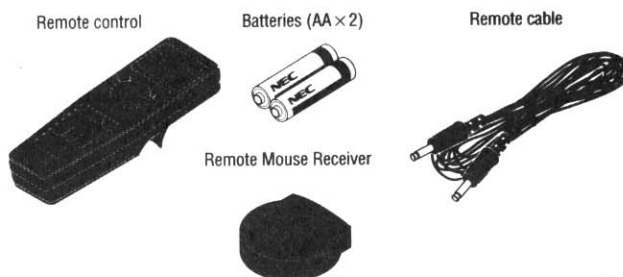
How Do You Get Started?

The fastest way to get started is to take your time and do everything right the first time. Take a few minutes now to watch the introductory video and review the manual. This may save you hours later on. At the beginning of each section of the manual you'll find an overview. If the section doesn't apply, you can skip it.

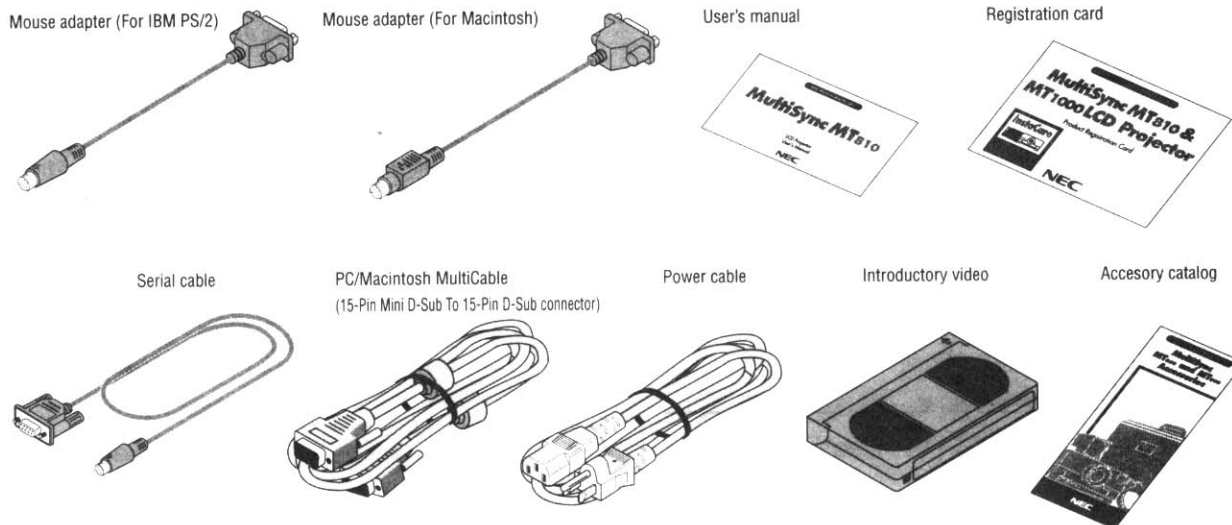
What's In The Box?

Make sure your box contains everything listed. If any pieces are missing, contact your dealer. Please save the original box and packing materials if you ever need to ship your MultiSync MT810 LCD Projector.

- NEC MultiSync MT810 LCD Projector
- Remote Control With Built-In Laser Pointer And Cables
- Remote Mouse Receiver
- PC/Macintosh MultiCable (15-Pin Mini D-Sub To 15-Pin D-Sub Connector)
- Power Cable
- Two AA Batteries
- Introductory Video
- User's Manual
- Accessory Catalog
- Registration Card



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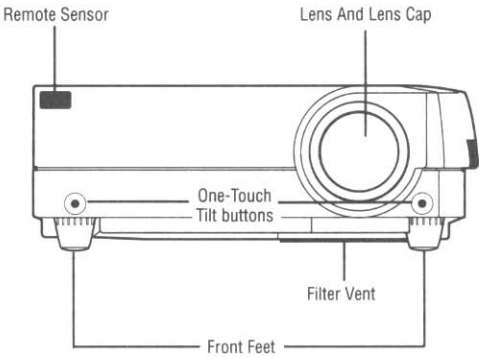


INTRODUCTION

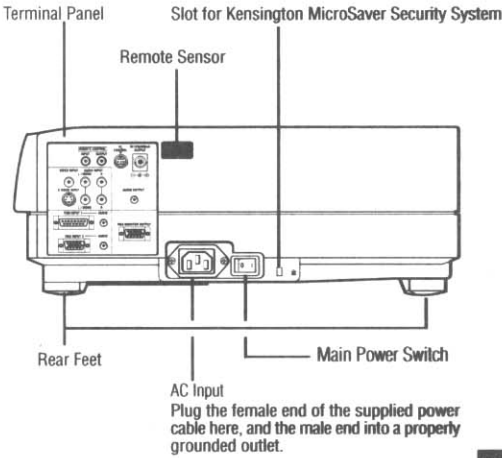
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Getting To Know Your MultiSync MT810 LCD Projector

Front Features

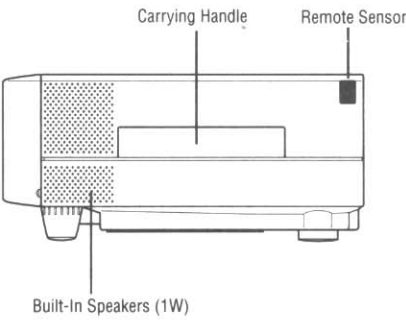


Rear Features

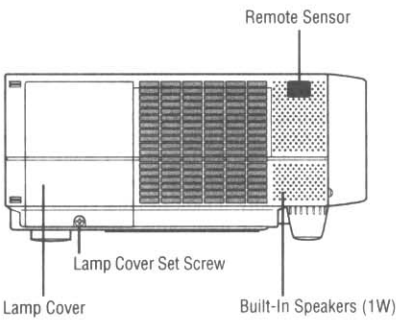


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Right Side Features



Left Side Features



Top Features

① Power Button

Use this button to turn the power on and off when the Main Power Switch is on and the LCD projector is in standby. (When this button is pressed and held for at least two seconds, the "Display Mute" mode will be canceled.)

② Menu Button

Displays the on- screen menu.

③ Select Button

After you press the "Menu" button, use this button to select the menu icon of the item you wish to adjust.

④ Enter Button

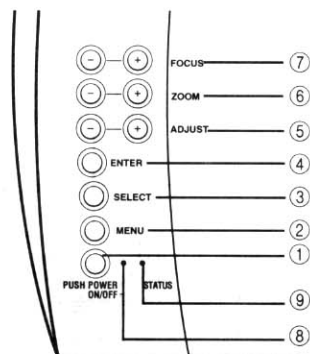
Executes your menu selection.

⑤ (+) (-) Adjust Button

Use these buttons while you're in the Image Adjust mode to change the level of a selected menu item. These buttons are also used to set an item in the Power or Settings menus.

⑥ (+) (-) Zoom Buttons

Press the (+) button to make the image larger; press (-) to make the image smaller.



⑦ (+) (-) Focus Buttons

Press the (+) or (-) buttons to focus an image.

⑧ Power Indicator

When this indicator is green, the LCD projector is on; when the indicator is amber, it is standing by.

⑨ Status Indicator

When this is lit red continually, it's warning you that the projection lamp has exceed 2000 hours of service. After this light appears, it is advisable to replace the projection lamp as soon as possible. (See pages 61 and 62)

When the operating time of the lamp exceeds 2000 hours, the STATUS indicator is lit red continually. In addition the message "LAMP USAGE XX HOURS" appears continually when the on-screen menu is not displayed.

If this light blinks red rapidly, it indicates that either the lamp cover or filter cover is not attached properly; if the light blinks slowly it means the projector's internal temperature is too hot to operate safely. See the Status Light Messages on pages 69 and 70 for more details.

Terminal Panel Features

This panel is located in the rear and is where you connect your cables.

① Remote Control Jacks

a. Remote Control Input Jack

Connect your remote control cable here for wired operation.

b. Remote Control Output Jack

This terminal enables you to operate up to five LCD projectors with the same remote control.

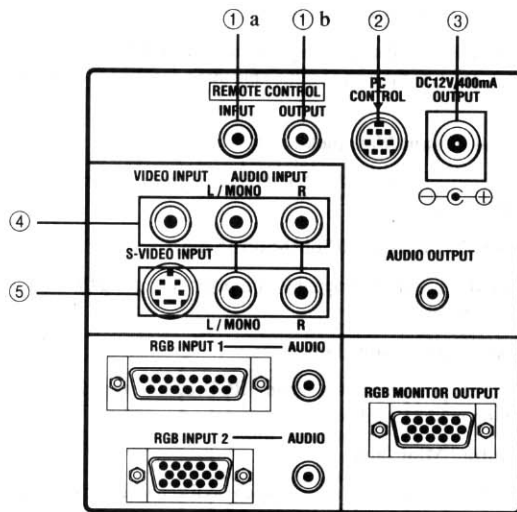
When your remote mouse receiver is connected here, the remote sensors on the LCD projector cabinet will receive your mouse commands.

② PC Control Port

Use this port to connect your PC to control the MultiSync MT810 Projector. This enables you to use your PC and serial communication protocol to control the projector. If you are writing your own program, command references are on pages 79 to 82.

③ 12V DC/400 mA Output Terminal

Use this terminal to plug in a document camera or any other 12V accessory.



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④ Video Input

Connect a VCR, laser disk player, or document camera here to project video.

Left Channel/Mono Audio Input Jack

This is your left channel audio input for stereo sound coming from video equipment or audio system. This also serves as your monaural audio input.

Right Channel Audio Input Jack

This is your right channel audio input for stereo sound.

⑤ S-Video Input

Here is where you connect S-Video input from an external source like a VCR.

Left Channel/Mono Audio Input Jack

This is your left channel audio input for stereo sound coming from S-Video equipment or audio system. This also serves as your monaural audio input.

Right Channel Audio Input Jack

This is your right channel audio input for stereo sound.

NOTE: S-Video provides more vivid color and higher resolution than the traditional composite video format.

⑥ RGB Input 1 Connector (D-Sub 15 pin)

Connect your PC or other RGB equipment such as IBM or compatible computers. Use the NEC MultiCable that's supplied to connect to a PC.

RGB 1 Audio Input Mini Jack

This is where you connect RGB audio output from a computer or another RGB source.

⑦ RGB Input 2 Connector (Mini D-Sub 15 pin)

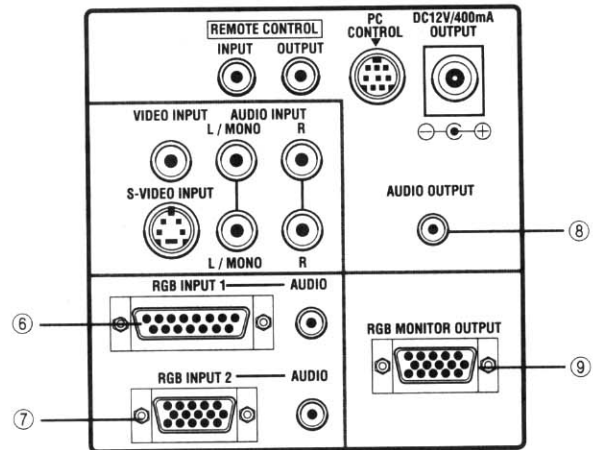
Connect a Macintosh or compatible computer here using the NEC MultiCable that's supplied.

RGB 2 Audio Input Mini Jack

This is where you connect a second RGB audio output from a computer or another RGB source.

⑧ Audio Output Mini Jack

Connect additional external speakers here to listen to audio coming from your computer, Video or S-Video input.



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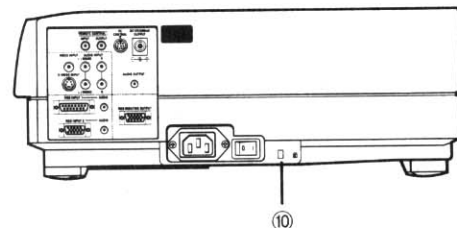
⑨ RGB Monitor Output Connector (Mini D-Sub 15 pin)

You can use this connector to loop your computer image to an external monitor from either the RGB 1 or RGB 2 input source.

⑩ Built-in Security Slot ()

This security slot supports the MicroSaver® Security System.

MicroSaver® is a registered trademark of Kensington Microware Inc. The logo  is trademarked and owned by Kensington Microware Inc.



⑩

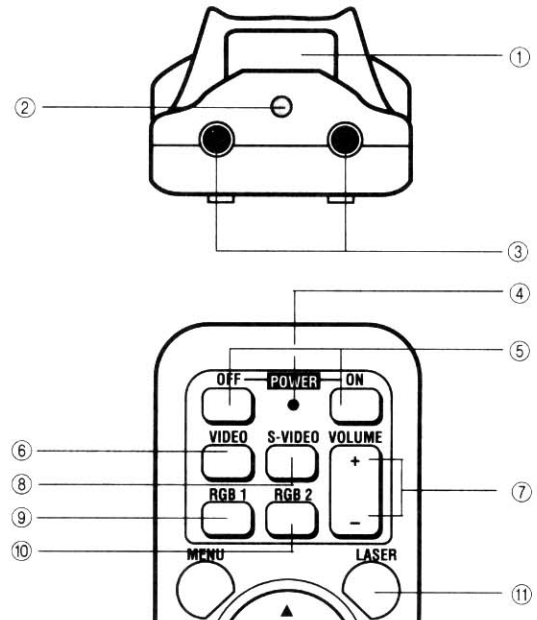
Remote Control Features

You can use your remote control with the cable or wireless to operate your MultiSync MT810 LCD Projector. With the remote mouse receiver connected to your computer, you can also use the projector's remote control to operate your computer's mouse wireless, too. (See pages 43 and 44 to connect the remote mouse receiver to your computer.)

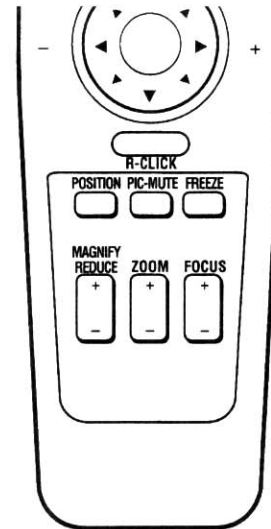
If you want to use your remote control with the cable, connect one end of the cable to the jack on the remote control and the other end to the Terminal Panel.

NOTE: If you are using a Macintosh computer, you can click either the right or left button to activate the mouse.

- ① **Left Click Button**
Use this button to enter your menu selection. It works the same as the "Enter" button on the cabinet.
- ② **Laser Pointer**
Beams a laser light when "Laser" button is pressed.
- ③ **Infrared Transmitter**
Direct the remote control toward the remote sensor on the projector cabinet or the remote mouse receiver.
- ④ **LED**
Flashes when any button is pressed.



- ⑤ **Power On And Off**
If your main power switch is turned on, you can use this button to turn your MultiSync MT810 LCD Projector on and off.
- ⑥ **Video Button**
Press to select an NTSC, PAL, SECAM, NTSC4.43, compatible video source from a VCR, laser disc player or document camera.
- ⑦ **Volume Buttons**
Press (+) to increase the volume and (-) to decrease it.
- ⑧ **S-Video Button**
Press to select an S-Video source from a VCR.
- ⑨ **RGB 1 Button**
Press to select a video source from a computer connected to your RGB 1 port.
- ⑩ **RGB 2 Button**
Press to select a video source from a computer connected to your RGB 2 port.
- ⑪ **Laser Button**
Press and hold this button to activate the laser pointer. When lit, you can use the laser to draw your audience's attention to a red dot that you can place on any object within 30 feet (10 m).



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12 Menu Button

Use this button to call up the On-Screen Menu so you can adjust and set the image. After you press this button, it will light up. During this time you can use the mouse pointer and right/left click buttons to make menu selections. If no buttons are pressed within 10 seconds while it illuminates, the light goes out. To return to the main menu from a sub menu, press this button again.

13 Mouse Pointer Buttons

Works as a mouse for your projected computer image. This button is also used to adjust position.

These buttons select the submenu you want to adjust. (See page 49.)

After you make your on-screen menu selection, use this button to adjust the level up or down. (See page 49.)

14 Right Click Button

Press this button to exit "Menus" or "Position."

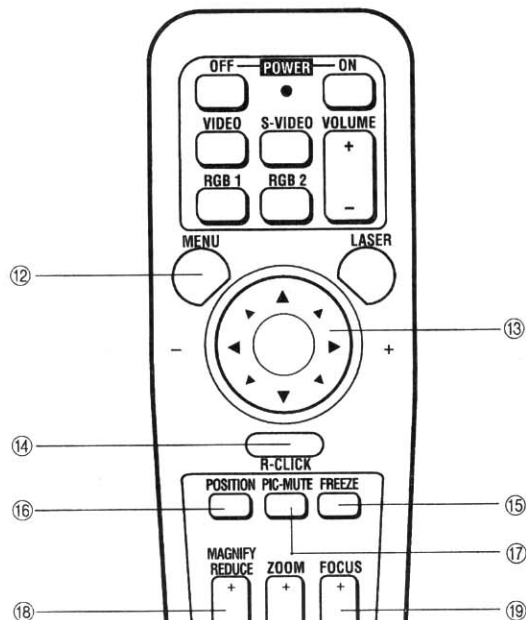
15 Freeze Button

This button will freeze a picture. Press again to resume motion.

16 Position Button

When the picture is magnified, press this button to activate the mouse buttons that you can use to reposition the image in eight directions. When you're finished, the "Position" button will remain lit for 10 seconds.

NOTE: When you are adjusting Position, the (+), (-), (▲) and (▼) buttons are used to move the picture.



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17 Picture Mute Button

This button turns off the image for a short period of time. Press again to restore the image.

18 Magnify/Reduce Button

Use the (+) or (-) button to adjust the image size up to 400%.

19 Focus Button

Press the (+) or (-) button to adjust the focus.

20 Zoom Button

Press the (+) button to zoom in and the (-) button to zoom out.

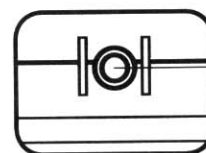
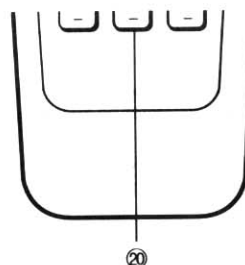
21 Remote Jack

Connect your remote control cable here for wired operation.

NOTE: You cannot use Menu and Position at the same time.

Remote Control Precautions

- Do not look into the laser pointer while it is on.
- Do not point the laser beam at a person.
- When the cable is connected to the remote control, it will not work in the wireless mode.
- Handle the remote control carefully.
- If the remote control gets wet, wipe it dry immediately.
- Avoid excessive heat and humidity.
- If you will not be using the remote control for a long time, remove the batteries.
- Do not mix new and old or different types of batteries.



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