

# SHARP®

LCD PROJECTOR  
LCD-PROJEKTOR  
PROJECTEUR LCD  
VIDEOPROJEKTOR

PROYECTOR DE LCD  
PROIETTORE LCD  
LCD-PROJEKTOR

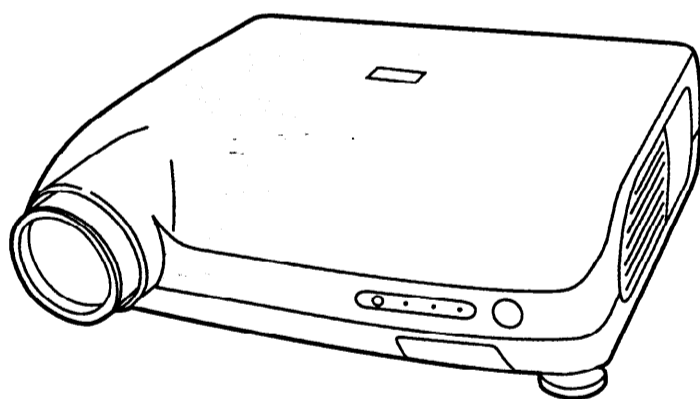
OPERATION MANUAL  
BEDIENUNGSANLEITUNG  
MODE D'EMPLOI  
BRUKSANVISNING  
MANUAL DE MANEJO  
MANUALE DI ISTRUZIONI  
GEBRUIKSAANWIJZING

Model  
Modell  
Modèle  
Modell

Modelo  
Modello  
Model

## XV-380H

- ENGLISH (GB)
- DEUTSCH (D)
- FRANÇAIS (F)
- SVENSKA (S)
- ESPAÑOL (E)
- ITALIANO (I)
- NEDERLANDS (NL)



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This equipment complies with the requirements of Directives 89/336/EEC and 73/23/EEC as amended by 93/68/EEC.

Dieses Gerät entspricht den Anforderungen der EG-Richtlinien 89/336/EWG und 73/23/EWG mit Änderung 93/68/EWG.

Ce matériel répond aux exigences contenues dans les directives 89/336/CEE et 73/23/CEE modifiées par la directive 93/68/CEE.

Dit apparaat voldoet aan de eisen van de richtlijnen 89/336/EEG en 73/23/EEG, gewijzigd door 93/68/EEG.

Dette udstyr overholder kravene i direktiv nr. 89/336/EEC og 73/23/EEC med tillæg nr. 93/68/EEC.

Quest' apparecchio è conforme ai requisiti delle direttive 89/336/EEC e 73/23/EEC, come emendata dalla direttiva 93/68/EEC.

Η εγκατάσταση αυτή ανταποκρίνεται στις απαιτήσεις των οδηγιών της Ευρωπαϊκής Ένωσης 89/336/ΕΟΚ και 73/23/ΕΟΚ, όπως οι κανονισμοί αυτοί συμπληρώθηκαν από την οδηγία 93/68/ΕΟΚ.

Este equipamento obedece às exigências das directivas 89/336/CEE e 73/23/CEE, na sua versão corrigida pela directiva 93/68/CEE.

Este aparato satisface las exigencias de las Directivas 89/336/CEE y 73/23/CEE, modificadas por medio de la 93/68/CEE.

Denna utrustning uppfyller kraven enligt riktlinjerna 89/336/EEC och 73/23/EEC så som kompletteras av 93/68/EEC.

Dette produktet oppfyller betingelsene i direktivene 89/336/EEC og 73/23/EEC i endringen 93/68/EEC.

Tämä laite täyttää direktiivien 89/336/EEC ja 73/23/EEC vaatimukset, joita on muutettu direktiivillä 93/68/EEC.

# Dear SHARP Customer

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Welcome to the SHARP Family. We are pleased that you are now the owner of a SHARP Colour LCD Projector built for outstanding quality, reliability and performance.

Every SHARP Colour LCD Projector is adjusted for a proper picture and has passed through the most stringent quality control tests at the factory. We have prepared this OPERATION MANUAL so that you have the ability to adjust the picture and colour to your personal viewing preference. We sincerely hope that you will be delighted with the quality and performance of your Colour LCD Projector for many years to come.

Please read the instructions carefully, and keep them handy for future reference.

## IMPORTANT

For your assistance in reporting the loss or theft of your Colour LCD Projector, please record the Serial Number located on the rear of the projector and retain this information. The model number, power rating, and warnings are displayed on the rear of the unit.

**Model No.: XV-380H**

**Serial No.:**

Before disposing of the packaging, please be sure that you have checked the contents of the carton thoroughly against the "Supplied Accessories" listed in the operation manual on page 21.

## Important Information

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### WARNING

Intense light source, do not look into the beam or view it directly. Be especially careful that children do not look directly into the beam.

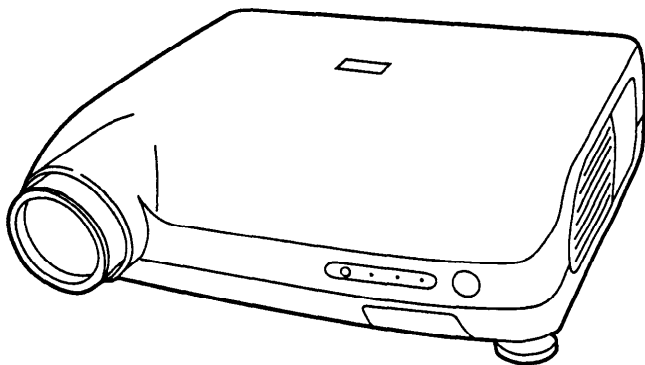
**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO LIQUIDS.

### CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE CABINET. NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

## Outstanding Features

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Allows easy projection of large screen, full-colour video images.

- Can be projected directly onto a video screen or white wall.
- Lightweight, convergence-free system for easy installation.

### FLEXIBLE USE

In addition to the standard front projection mode, the menu driven functions can be used to instantly reverse the image (for rear projection), or invert the image (for ceiling mount applications.)

### POWER ZOOM AND FOCUS

- Provides simple screen-size adjustments from either the projector or the remote control.
- Screen projection size adjusts from 25 to 200 inches.

### HIGH PICTURE QUALITY

Each of the three LCD panels contains 309,120 pixels to achieve exceptionally bright, high quality video images with up to 500 line TV lines of resolution.

### VARIABLE MASKING

Video projection in a choice of Normal (4:3), Vista (16:9) or CinemaScope (21:9) mode.



### BUILT-IN SPEAKER

Built-in 3W amplifier and speaker eliminates the need for external audio components.

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## SPECIAL NOTE FOR USERS IN THE U.K.

The mains lead of this product is fitted with a non-rewireable (moulded) plug incorporating a 13A fuse. Should the fuse need to be replaced, a BSI or ASTA approved BS 1362 fuse marked  or  and of the same rating as above, which is also indicated on the pin face of the plug, must be used.

Always refit the fuse cover after replacing the fuse. Never use the plug without the fuse cover fitted. In the unlikely event of the socket outlet in your home not being compatible with the plug supplied, cut off the mains plug and fit an appropriate type.

**DANGER:** The fuse from the cut-off plug should be removed and the cut-off plug destroyed immediately and disposed of in a safe manner.

Under no circumstances should the cut-off plug be inserted elsewhere into a 13A socket outlet, as a serious electric shock may occur.

To fit an appropriate plug to the mains lead, follow the instructions below:

**IMPORTANT:** The wires in the mains lead are coloured in accordance with the following code:

Blue : Neutral

Brown : Live

As the colours of the wires in the mains lead of this product may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured blue must be connected to the plug terminal which is marked N or coloured black.
- The wire which is coloured brown must be connected to the plug terminal which is marked L or coloured red.

Ensure that neither the brown nor the blue wire is connected to the earth terminal in your three-pin plug.

Before replacing the plug cover make sure that:

- If the new fitted plug contains a fuse, its value is the same as that removed from the cut-off plug.
- The cord grip is clamped over the sheath of the mains lead, and not simply over the lead wires.

IF YOU HAVE ANY DOUBT, CONSULT A QUALIFIED ELECTRICIAN.

# Important Safeguards

**ATTENTION: Please read all of these instructions before you operate your LCD Projector for the first time. Save these instructions for future reference.**

For your own protection and prolonged operation of your LCD Projector, be sure to read the following "Important Safeguards" carefully, before use.

This projector has been engineered and manufactured to ensure your personal safety. But IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARDS. In order not to defeat the safeguards incorporated into this LCD Projector, observe the following basic rules for its installation, use and servicing.

**1** Unplug the LCD Projector from the wall outlet before cleaning.

**2** Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

**3** Do not use attachments not recommended by the LCD Projector manufacturer, as they may cause hazards.

**4** Do not use the LCD Projector near water; for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, etc. Never spill liquid into the projector.

**5** Do not place the LCD Projector on an unstable cart, stand, or table. The LCD Projector may fall, which may cause serious injury to a child or an adult, and/or serious damage to the unit.

**6** Wall or Ceiling Mounting — The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

**7** LCD Projector equipment and cart combinations should be moved with care.

Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.



**8** To ensure reliable operation of the LCD Projector and to protect it from overheating, these openings must not be blocked or covered. Slots and openings in the cabinet back and bottom are provided for ventilation.

**9** The openings should never be covered with cloth or other material. This LCD Projector should never be placed near or over a radiator or heating vent. The LCD Projector should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.

**10** The LCD Projector should be operated only from the type of power source indicated on the back of the projector or in the specifications. If you are not sure of the type of power supplied to your home, consult your LCD Projector dealer or local power company.

**11** Do not place the LCD Projector where the cord will be abused by persons walking on it.

**12** Follow all warnings and instructions marked on the LCD Projector.

**13** To prevent damage to the projector due to lightning and power-line surges, unplug the projector from the power outlet, when not in use.

Ⓢ-3

**14** Do not overload wall outlets and extension cords with too many products, because this can result in fire or electric shock.

**15** Never push objects of any kind into the LCD Projector through the cabinet slots as they may touch high-voltage points or cause a short circuit. This could result in a fire or electric shock.

**16** Do not attempt to service the LCD Projector yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

**17** Unplug the LCD Projector equipment from the wall outlet and refer servicing to qualified service personnel under the following conditions:

A. When the power cord or plug is damaged or frayed.

B. If liquid has been spilled into the LCD Projector.

C. If the LCD Projector has been exposed to rain or water.

D. If the LCD Projector does not operate normally when you follow the operating instructions. Adjust only those controls that are covered by the operating instructions, as improper adjustment of other controls may cause damage and will often require extensive work by a qualified technician to restore the LCD Projector to normal operation.

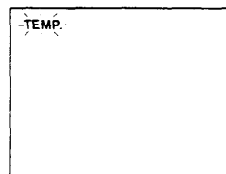
E. If the LCD Projector has been dropped or the cabinet has been damaged.

F. When the LCD Projector exhibits a distinct change in performance — this indicates a need for service.

**18** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.

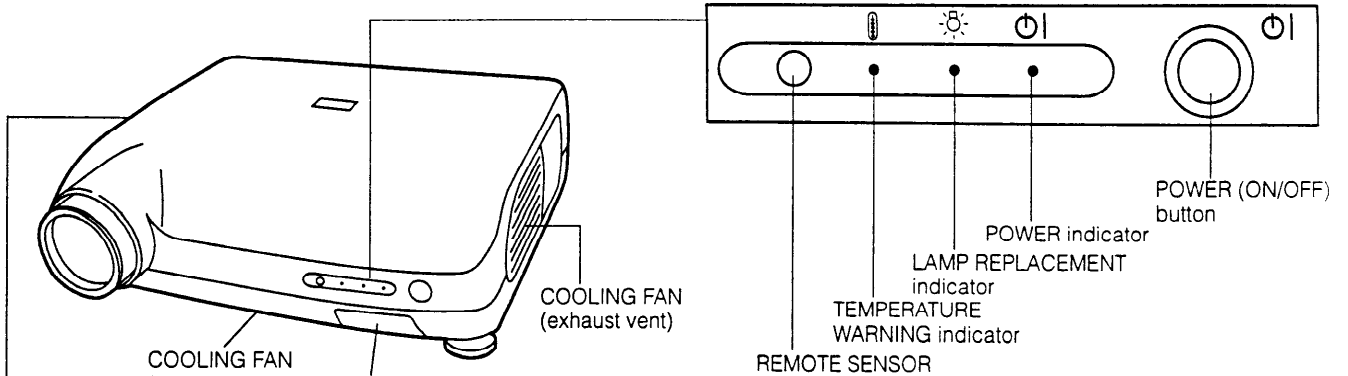
## About the Temperature Monitor Function:

- If the projector starts to overheat due to set-up problems or a dirty air filter, "TEMP." will flash in the upper-left corner of the picture. If the temperature continues to rise, then the lamp will turn off, the TEMPERATURE WARNING indicator will flash, and after a 90-second cooling-off period the power will shut off. Refer to page 20, "Maintenance Indicators", when the "TEMP." warning appears in the picture.
- The cooling fan regulates the internal temperature, and its performance is automatically controlled. The sound of the fan may change during operation due to changes in the fan speed.



# Location of Controls

## FRONT VIEW



### CAUTIONS:

- Allow at least 10 cm of space between the cooling fan (exhaust vent) and the wall.
- If the cooling fan becomes obstructed, a protection device will automatically turn off the projector lamp. This does not indicate a malfunction. Remove the projector plug from the wall outlet and wait 10 minutes. Then turn on the power by plugging the cord back in. This will return the projector to its normal mode.

## OPERATION PANEL ON SIDE OF PROJECTOR

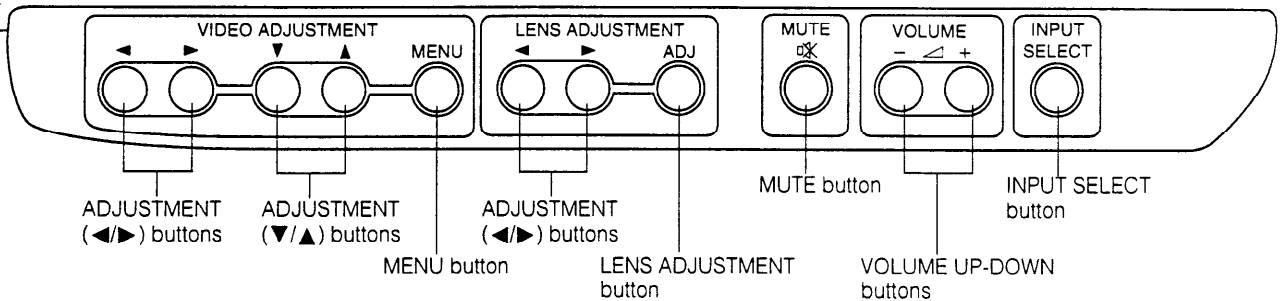
### Phosphorescent Display

The operation controls on the right side use a phosphorescent display for easy viewing. When exposed to surrounding light, the phosphorescent display will glow in the dark.

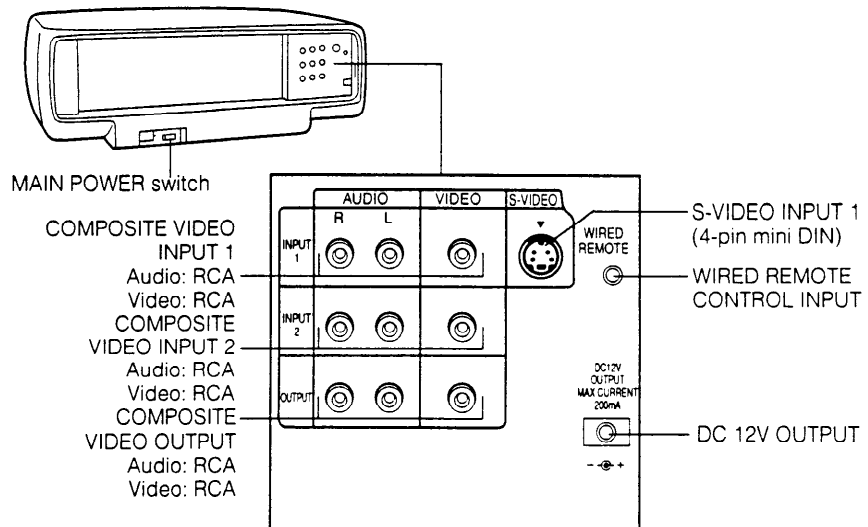
(Glow ratio)

When exposed to sunlight or other light of 500 lux or more for about 10 minutes, the display will glow for about 1 hour.

(Note:-500 lux = 1-1.5m directly under a 40W fluorescent light.)



## REAR VIEW

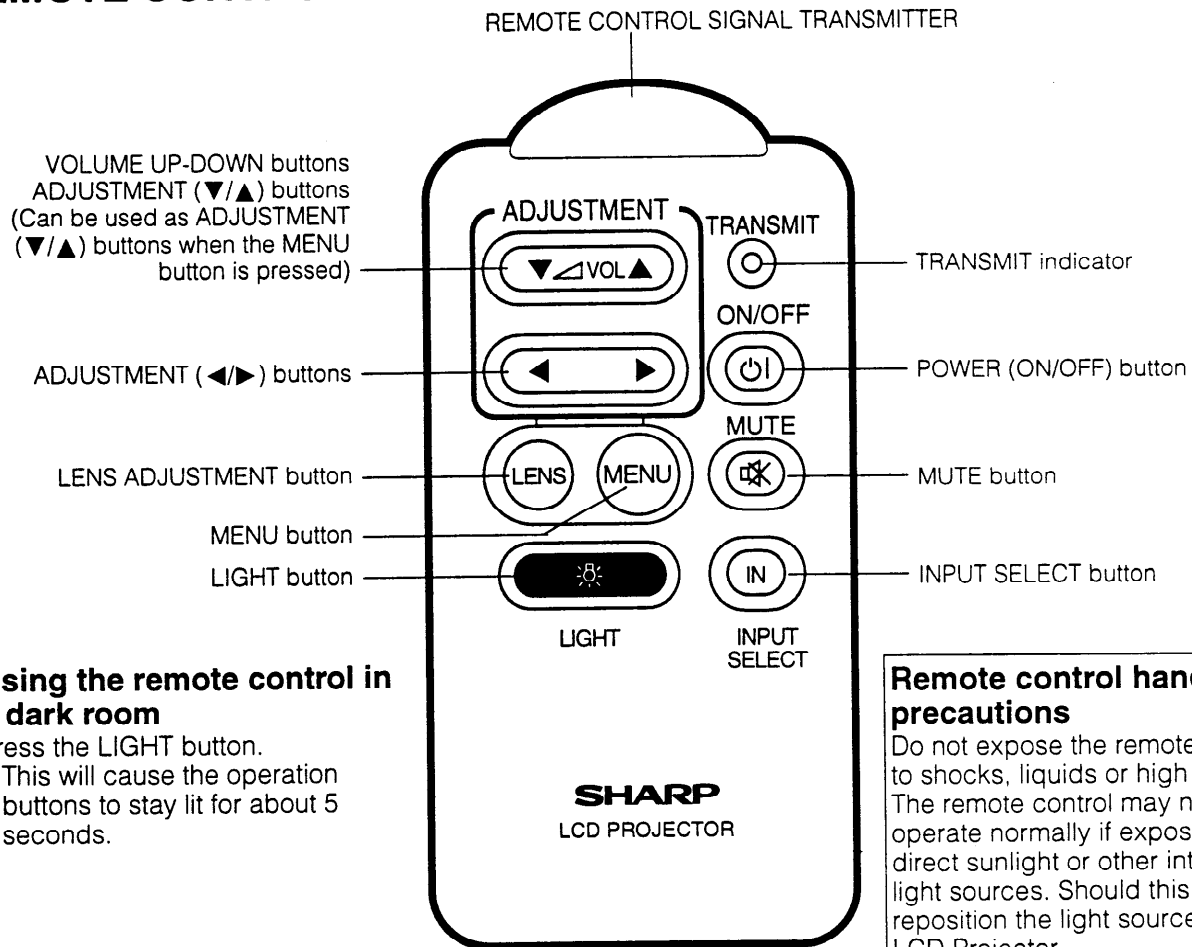


### Note:

- If a current of 200mA or more is drawn from the DC 12V OUTPUT jack, a protection device will automatically turn off the projector and leave it in Stand-by mode.

# Remote Control Operation

## REMOTE CONTROL



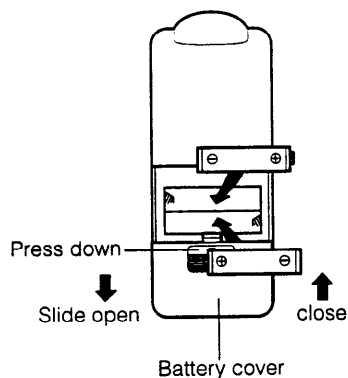
### Using the remote control in a dark room

Press the LIGHT button.

- This will cause the operation buttons to stay lit for about 5 seconds.

### Remote control handling precautions

Do not expose the remote control to shocks, liquids or high humidity. The remote control may not operate normally if exposed to direct sunlight or other intense light sources. Should this happen, reposition the light source or the LCD Projector.

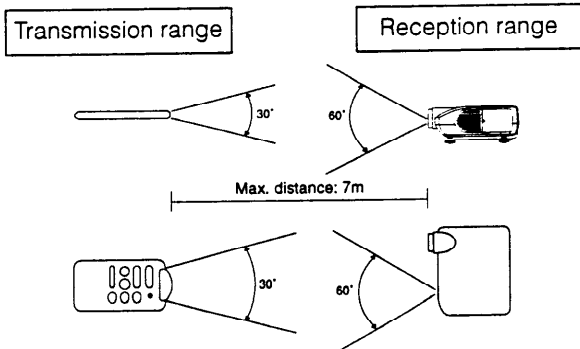


### Inserting the Batteries

Remove the battery cover as shown and insert two AAA size batteries making sure the polarity matches the (+) and (-) marks inside the battery compartment.

#### Notes:

- Incorrect use of batteries may cause them to leak or burst.
- Insert the batteries with the (+) and (-) polarities as indicated.
- Remove the batteries if the remote control will not be operated for an extended period of time.
- Maintain the batteries in clean condition.
- Do not mix different brands of batteries. The life expectancy of the new batteries will be shortened and the old batteries may leak.
- When the batteries have been used up, remove them immediately to prevent leakage and damage. Leaked battery fluid may irritate the skin. Remove any battery fluid by wiping with a cloth.
- Due to storage conditions and the shelf life of the supplied batteries, they may run out after a short time. Replace them with new batteries as soon as possible.



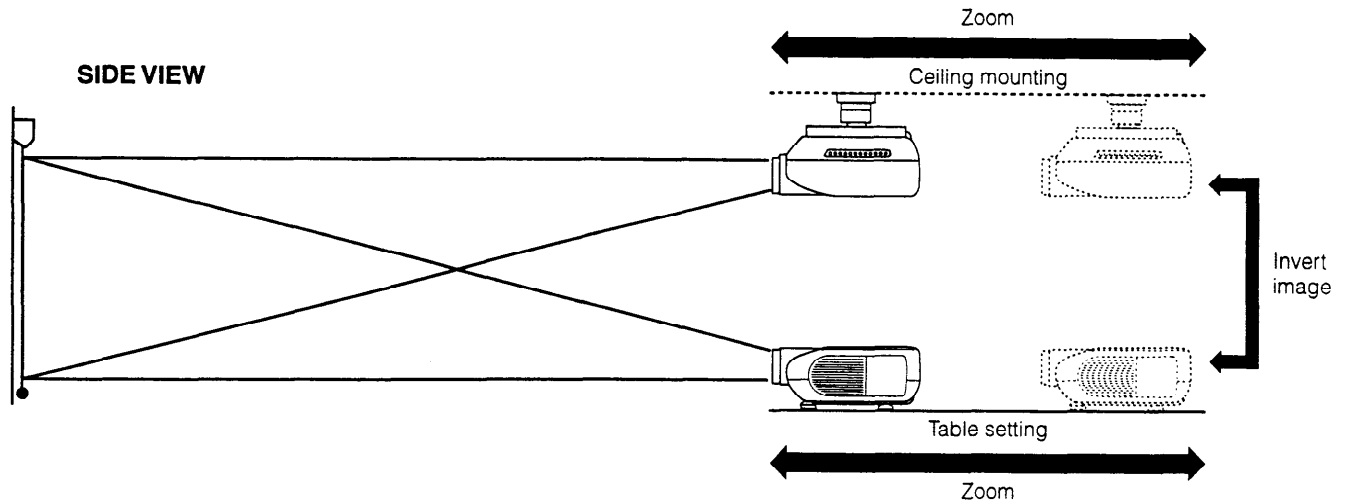
### Remote control positioning

Use the remote control as shown in the figures on the left.

# Setting Up the Projector

## Using the Focus and Zoom

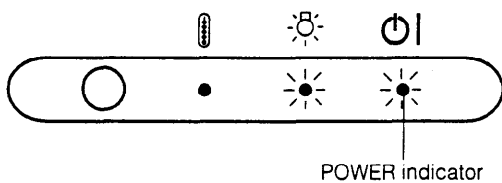
- Zoom, Focus and Reversed/Inverted Image mode functions broaden your options for projector placement.
- See pages 7,9 and 10 for details on projector setup.



### 1. Turn ON the MAIN POWER.

Press the MAIN POWER switch ON.

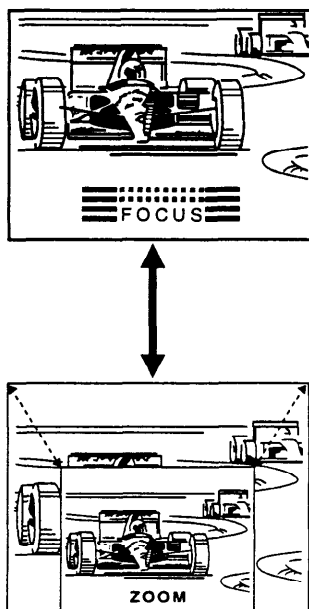
2



### 2. Turn on the power.

Press the POWER ON/OFF button on the projector or remote control to turn on the power.

3



### 3. Press the LENS button.

- When the LENS button on the remote control or LENS ADJUSTMENT button on the projector is pressed, the LENS adjustment mode is indicated for about 8 seconds.
- If the LENS (ADJ) button is pressed while the mode is indicated on the screen, the picture adjustment mode changes as shown on the left.
- You can adjust the picture as shown on the left by pressing the ADJUSTMENT (◀) or (▶) buttons while in ADJUST mode.

- Adjust the focus until the picture on the screen is sharp.
- The focus pattern appears on the screen.
- The picture can be adjusted to the desired size within the zoom lens range.



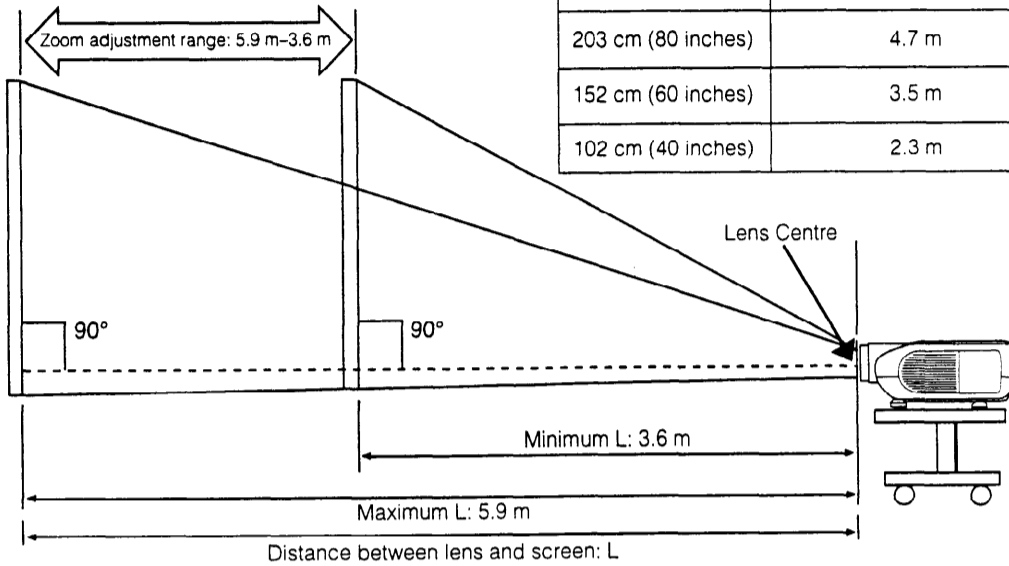
## Projector Distance and Picture Size Relationship

- The motorized zoom lens allows adjustment to the image size within the projector's range.
- For optimum picture adjustment, the projector should be placed and adjusted within a distance of 1.4 m to 8.9 m from the screen.

### Distance from screen

Picture size: 254 inches (100 cm)

Picture size (diag.)	Projection distance (L)	
	Maximum projection distance	Minimum projection distance
508 cm (200 inches)	8.9 m	7.3 m
381 cm (150 inches)	8.9 m	5.5 m
254 cm (100 inches)	5.9 m	3.6 m
203 cm (80 inches)	4.7 m	2.8 m
152 cm (60 inches)	3.5 m	2.1 m
102 cm (40 inches)	2.3 m	1.4 m

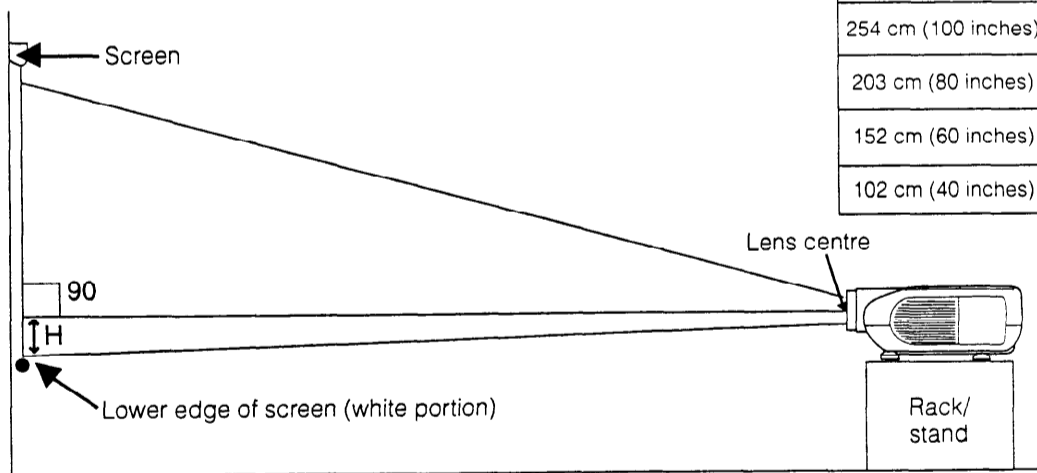


- Above is an illustration of maximum and minimum projection distances for the XV-380H with a picture size of 254 cm (100 inches). Move the projector forward or back if the edges of the image are distorted.

### Height of projector

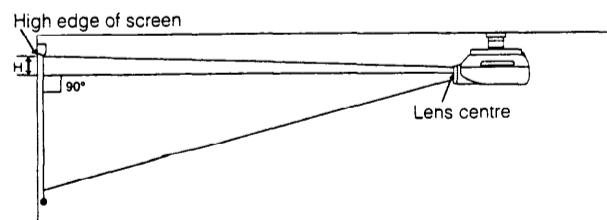
- Adjust to match the setup configuration.

Picture size (diag.)	Distance from lens centre to lower edge of screen (H)
508 cm (200 inches)	38 cm
381 cm (150 inches)	29 cm
254 cm (100 inches)	19 cm
203 cm (80 inches)	15 cm
152 cm (60 inches)	11 cm
102 cm (40 inches)	8 cm



- Ceiling Mount

When the projector is in the inverted position, use the upper edge of the screen as the base line.



### Note:

- Optimal image quality can be achieved with the projector positioned perpendicular to the screen.

# Using the Image Invert/Reverse Function

■ This projector is equipped with an image invert/reverse function. The projected image can be inverted or reversed by using the MENU button and the ▼/▲ and ◀/▶ buttons.

## 1 ON-SCREEN DISPLAY

```

IMAGE ADJ.
▶BLUE SCREEN (OFF)
  REVERSE (OFF)
  INVERT (OFF)
  INPUT DISPLAY (ON)

▲▼:SEL. ◀▶:ADJ. MENU:END
  
```

## 1. Press the MENU button.

With the MENU screen displayed, press the ▼/▲ buttons to select IMAGE ADJ. Then press the MENU button to display the IMAGE ADJ. screen.

- The last MENU screen selected is indicated for about 30 seconds.

## 2

```

          .LDA IMAGE ADJ.
BLUE SCREEN (OFF)
▶REVERSE (ON)
  INVERT (OFF)
  INPUT DISPLAY (ON)

▲▼:SEL. ◀▶:ADJ. MENU:END
  
```

## 2. Reversed Image Mode

In the IMAGE ADJ. menu, press the ▼/▲ buttons to select REVERSE. Then press the ◀/▶ buttons to select ON. The reversed image will appear.

## 3

```

▲▼:SEL. ◀▶:ADJ. MENU:END
  INPUT DISPLAY (ON)
▶INVERT (ON)
  REVERSE (OFF)
  BLUE SCREEN (OFF)
  IMAGE ADJ.
  
```

## 3. Inverted Image Mode

In the IMAGE ADJ. menu, press the ▼/▲ buttons to select INVERT. Then press the ◀/▶ buttons to select ON. The inverted image will appear.

## 4

```

▲▼:SEL. ◀▶:ADJ. MENU:END
  INPUT DISPLAY (ON)
▶INVERT (ON)
  REVERSE (ON)
  BLUE SCREEN (OFF)
  IMAGE ADJ.
  
```

## 4. Reversed Inverted Image Mode

In the IMAGE ADJ. menu, set the REVERSE and INVERT functions to ON. The reversed inverted image will appear.

## 5. Press the MENU button anytime to exit IMAGE ADJ.

## How to set up the projector and screen

■ Using the invert and reverse functions makes the following setups possible.

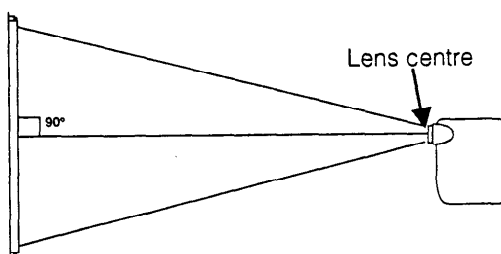
### Caution: When setting up the projector

- Do not place it in humid or dusty places, or places where the air is sooty or full of cigarette smoke. If the lens, mirror, or other optical components become dirty, the picture will blur or darken, making viewing difficult.
- Do not expose to extreme heat or cold.  
Operating temperature: 5°C to 40°C  
Storage temperature: -20°C to 55°C
- Do not tilt the projector more than 10°.

- Position the screen so that it is not in direct sunlight or room light. Light falling directly onto the screen washes out colours, making viewing difficult. Close the curtains and dim the lights when using the screen in a bright or sunny room.
- The best picture will be obtained when the projector is at a 90 degree angle to the screen. Position the projector and screen as shown.

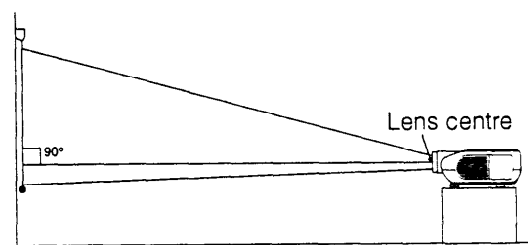
### Example of a standard setup

#### TOP VIEW



The projector lens should be centred in the middle of the screen.

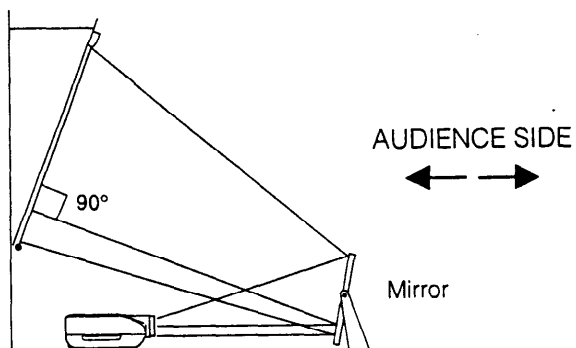
#### SIDE VIEW



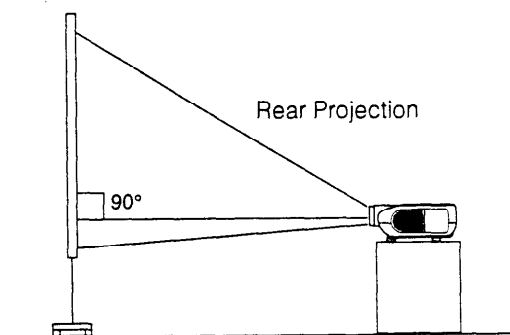
If the projector and screen are not centred properly, the picture will be distorted, making viewing difficult.

### Example of a reversed image setup

- By placing a mirror (normal flat type) in front of the lens and using the reverse function, the image reflected from the mirror can be projected onto the screen.
- Rear projection with a rear projection screen is also possible when using the reverse function.



The projector lens should be centred in the middle of the screen.



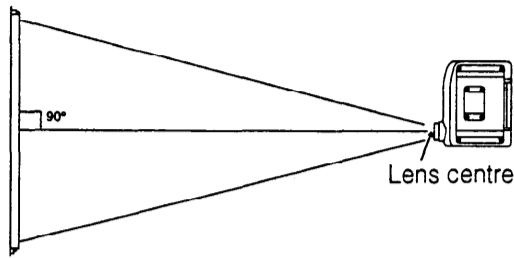
If the projector and screen are not centred properly, the picture will be distorted, making viewing difficult.

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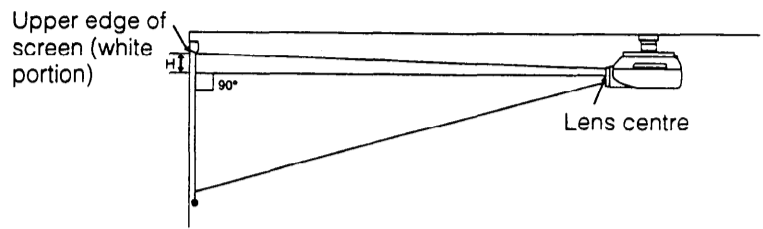
## Example of a ceiling-mount setup

Before mounting the projector, be sure to contact your nearest Authorized Sharp Professional LCD Presentation Products Dealer to obtain the manufacturer-recommended ceiling installation unit and installation adaptor (sold separately.) (AN-E1TKE Ceiling Mount Bracket, AN-TK201/AN-TK202 Extension Tube for AN-E1TKE)

### TOP VIEW



### SIDE VIEW



- If the relative positions of the projector and the screen are not properly adjusted, the picture will be distorted.

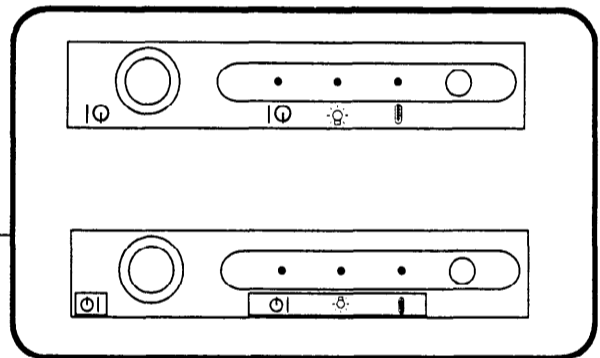
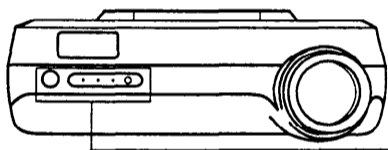
**Note:** Contact your nearest Authorized Sharp Professional LCD Presentation Products Dealer for inquiries concerning setup.

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## Inverted Labeling for Ceiling Mount

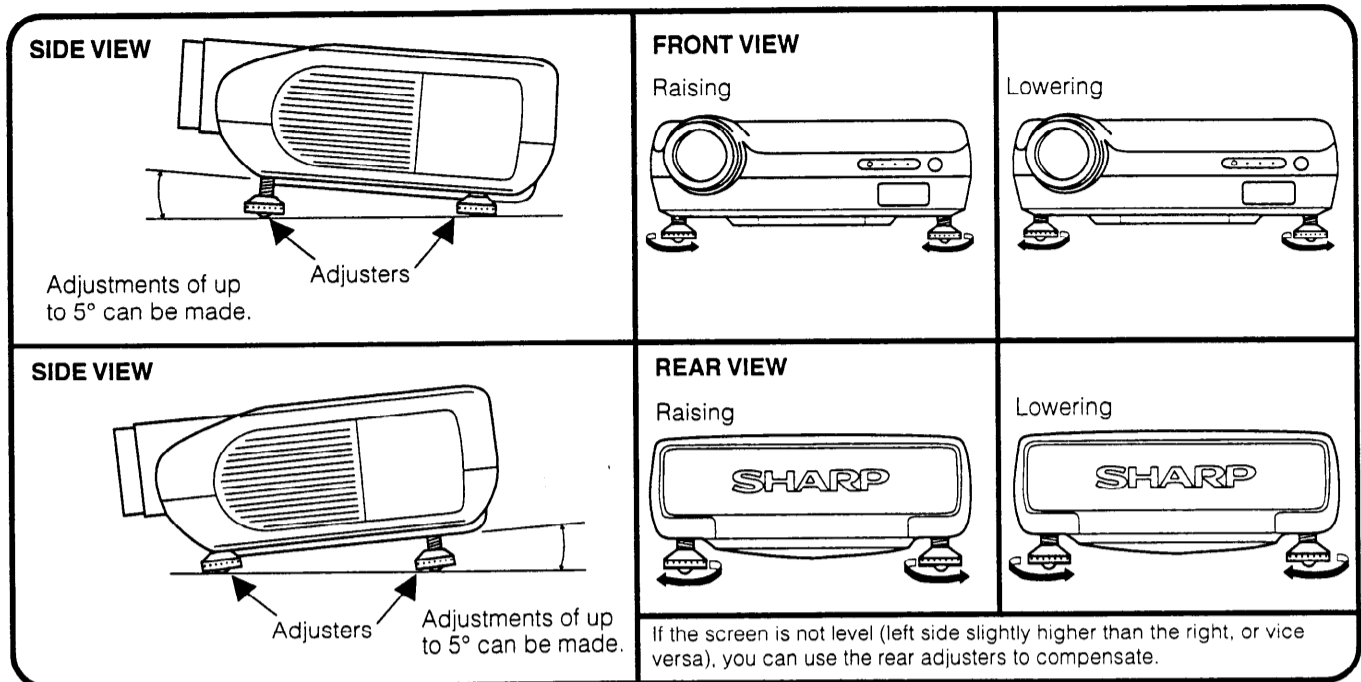
- When ceiling mounting the projector, attach the supplied inverted labels as shown.

Front



## Using the Level and Height Adjusters

- When the projector stand is on an angle, use the adjusters on the bottom of the projector to adjust the vertical angle.



### Notes:

- When adjustments are made with the adjusters, the picture may become distorted, depending on the relative positions of the projector and the screen.
- After adjusting, in some cases, all of the adjuster feet may not be resting on the mounting surface. To prevent the projector from wobbling, adjust all four adjuster feet so that they firmly contact the mounting surface.

## Moving the Projector

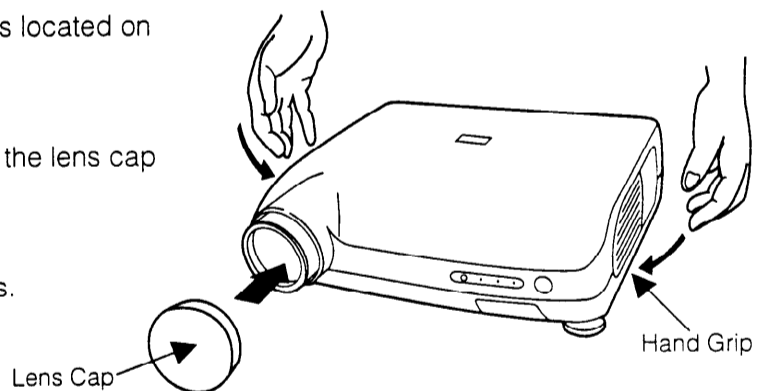
Hold with both hands, using the hand grips located on the sides of the projector.

### Note:

When moving the projector, always put on the lens cap to prevent damage to the lens.

### Caution:

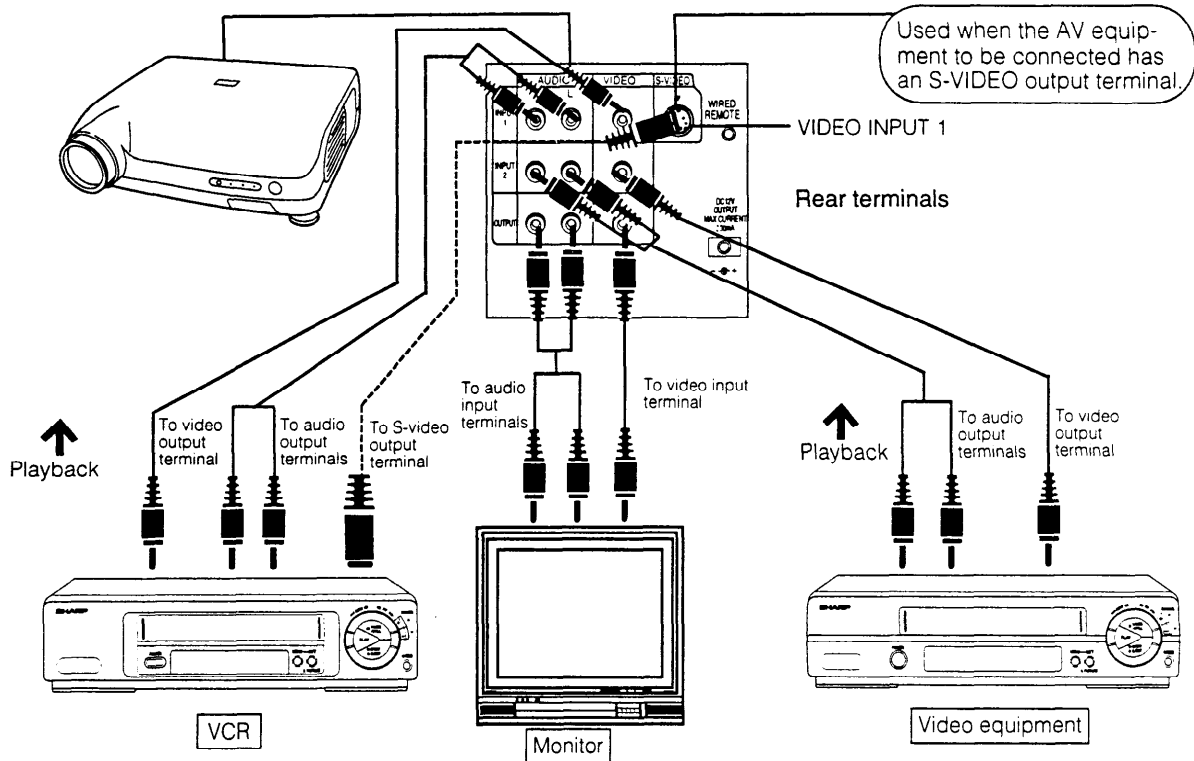
Do not lift or carry the projector by the lens.



# Connecting the Projector (VIDEO 1, VIDEO 2)

To watch video playback with the projector connected to audio/video output equipment, such as a VCR or Laser Disc Player, or to view on a separate monitor, make the following connections.

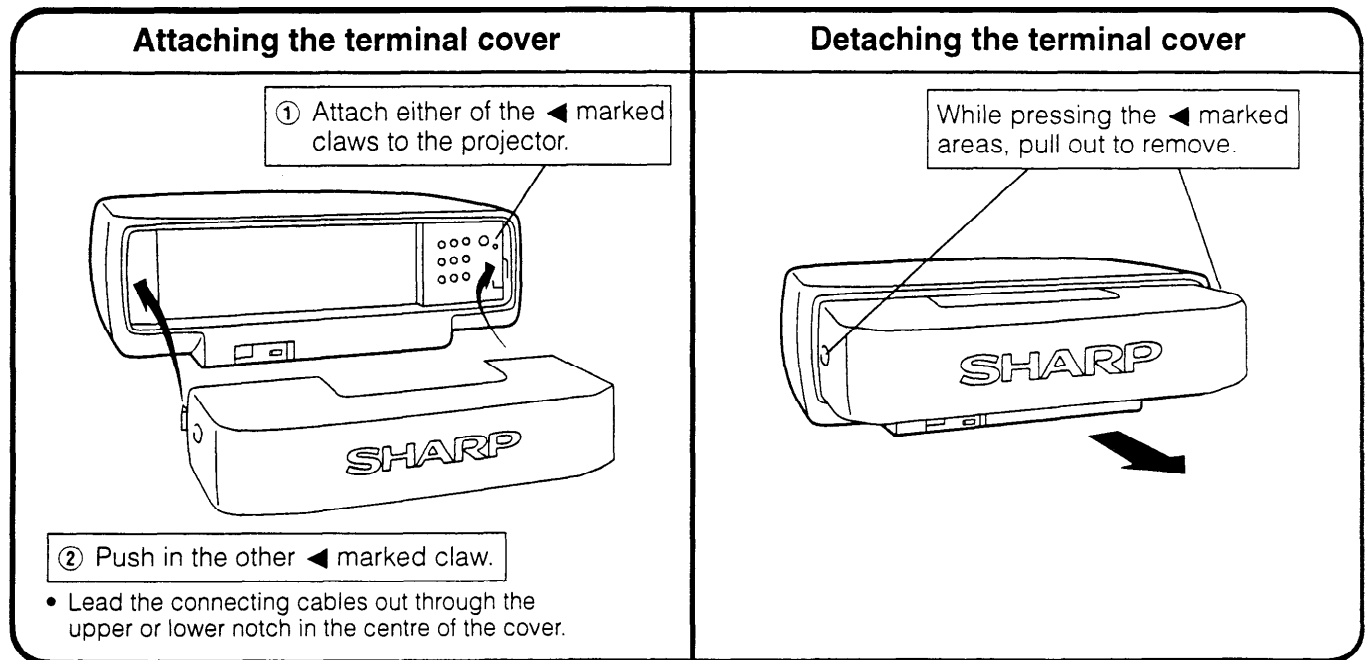
- Always turn off the LCD Projector while connecting to video equipment, in order to protect both the projector and the equipment being connected.



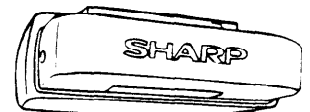
Note the following when using the S-VIDEO INPUT terminal:

- The S-VIDEO INPUT terminal uses a video signal system in which the picture is separated into a colour and a luminance signal to realize a higher-quality picture.
- The S-VIDEO INPUT terminal has priority over the VIDEO INPUT terminals. Make the audio connection via the VIDEO INPUT audio terminals (left/right).

■ The projector is provided with a terminal cover to hide connecting cables.

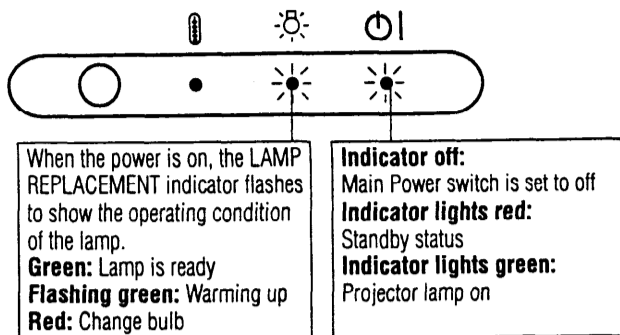


- When the projector is ceiling mounted, invert the terminal cover before attaching.



# Basic Operation of the Projector

2



## 1. Turn on the MAIN POWER.

Press the MAIN POWER switch ON.

## 2. Turn on the POWER.

Press the POWER button on the projector.

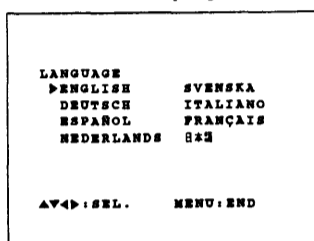
- When the power is turned off by pressing the POWER (ON/OFF) button, the POWER indicator will not turn off until the fan has stopped running.

See page 20, "Lamp/Maintenance Indicators", for details.

### Notes:

- When the POWER indicator is not lit, the remote control cannot be used to operate the projector.
- If the power is turned on immediately after it has been turned off, it may take a short while before the lamp turns on. (During this period the LAMP REPLACEMENT indicator flashes.)
- After the projector is unpacked and turned on for the first time, a slight odour may be emitted from the exhaust fan. This odour will disappear with use.

## On-Screen Display

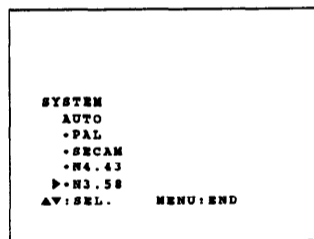


## 3. ON-SCREEN DISPLAY in 8 languages

The on-screen display is set to English at the factory. The language for the unit's ON-SCREEN DISPLAY can be set to English, German, Spanish, Dutch, Swedish, Italian, French or Japanese.

### Setting the ON-SCREEN DISPLAY language

- Press the MENU button. The menu will appear on the screen.
- Press the ADJUSTMENT ▼/▲ buttons until the ► mark is set to "LANGUAGE". Press the MENU button to display the language menu.
- Press the ADJUSTMENT ▼/▲ buttons until the ► mark matches the language desired, and then press the MENU button to set the language. The ON-SCREEN DISPLAY is now programmed to display in the language chosen.



## 4. Changing the system mode

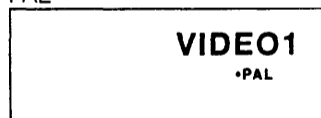
The video input system mode is set to AUTO at the factory, but it can be changed to a different mode.

- Press the MENU button. The menu will appear on the screen.
- Press the ADJUSTMENT ▼/▲ buttons until the ► mark is set to "SYSTEM". Press the MENU button to display the system menu.
- Press the ADJUSTMENT ▼/▲ buttons until the ► mark matches the video system desired and then press the MENU button to set the system.

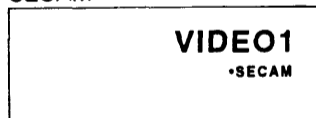
### Note:

- In AUTO mode, "PAL", "SECAM", "NTSC 4.43" or "NTSC 3.58" is displayed on the screen for a few seconds when the mode is changed with the INPUT SELECT button.

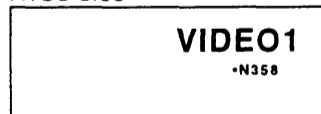
PAL



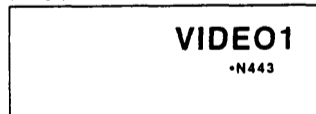
SECAM



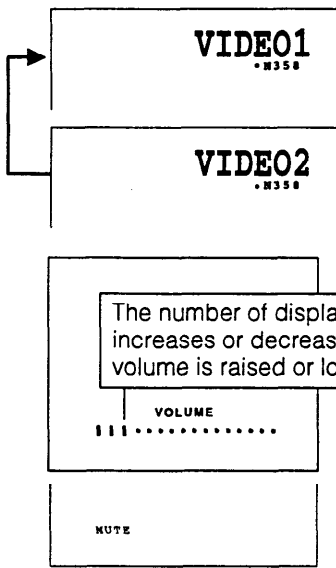
NTSC 3.58



NTSC 4.43



### On-Screen Display



For viewing the picture from a video source connected to:  
VIDEO INPUT 1 or  
S-VIDEO INPUT 1

VIDEO INPUT 2

### 5. Select input.

Press the INPUT SELECT button to switch the picture input. When you press the button, the current input mode is displayed for about 4 seconds. If you press the button again while the input mode is displayed, the mode changes as shown on the left.

Confirm the selected input terminal, then press the INPUT SELECT button.

### 6. Adjust the volume.

Press the Volume Up-Down button on the projector or on the remote control to adjust the volume.

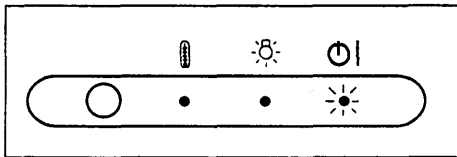
#### MUTE

- Press the MUTE button to temporarily turn off the sound.
- Press the button once again to turn the sound back on.

### 7. Turning off the power from the projector or remote control

When switching the unit OFF, follow these steps:

- 1) Press POWER button on the front panel or remote control to the OFF position.
- 2) Wait approximately 90 seconds for fans to shut off.
- 3) Press the MAIN POWER switch OFF. (Red button.)
- 4) Turn power point off and remove power lead from wall socket.



After the POWER indicator lights red and the cooling fan runs for 90 seconds, the power will turn off, and the projector will return to STANDBY mode.

The power can be turned on again either from the projector or remote control. When the power is turned on, the POWER indicator and LAMP REPLACEMENT indicator light green.

#### Note:

- When the POWER is off on the projector set, the power cannot be turned on from the remote control.



# Adjusting the Picture

- This projector's picture is factory preset to standard settings. However, you can adjust it to suit your own preferences with the VIDEO ADJUSTMENT buttons on the projector and the remote control.
- Five picture modes can be adjusted: "PICTURE", "BRIGHT", "COLOR", "TINT" and "SHARPNESS".

**Note:**

- TINT only appears in NTSC mode.

## Adjust the Picture

### 1. Use the MENU button to select the mode to be adjusted.

- When the MENU button is pressed, the MENU mode is indicated for about 30 seconds. Press the ADJUSTMENT ▼/▲ buttons to select "VIDEO ADJ. [STATUS] STATUS 1", then press the ◀/▶ buttons to select the STATUS 1-5 settings.
- Press the MENU button after selecting STATUS setting.

### 2. Press the ADJUSTMENT ◀/▶ buttons.

- If the VIDEO ADJUSTMENT ▼/▲ buttons are pressed while the mode is indicated on the screen, the MENU mode changes as shown.
- When the ADJUSTMENT (◀) or (▶) buttons are pressed while the mode you want to adjust is indicated, the "█" mark, which indicates the adjustment setting, can be moved.
- The adjustment mode is indicated for about 10 seconds.

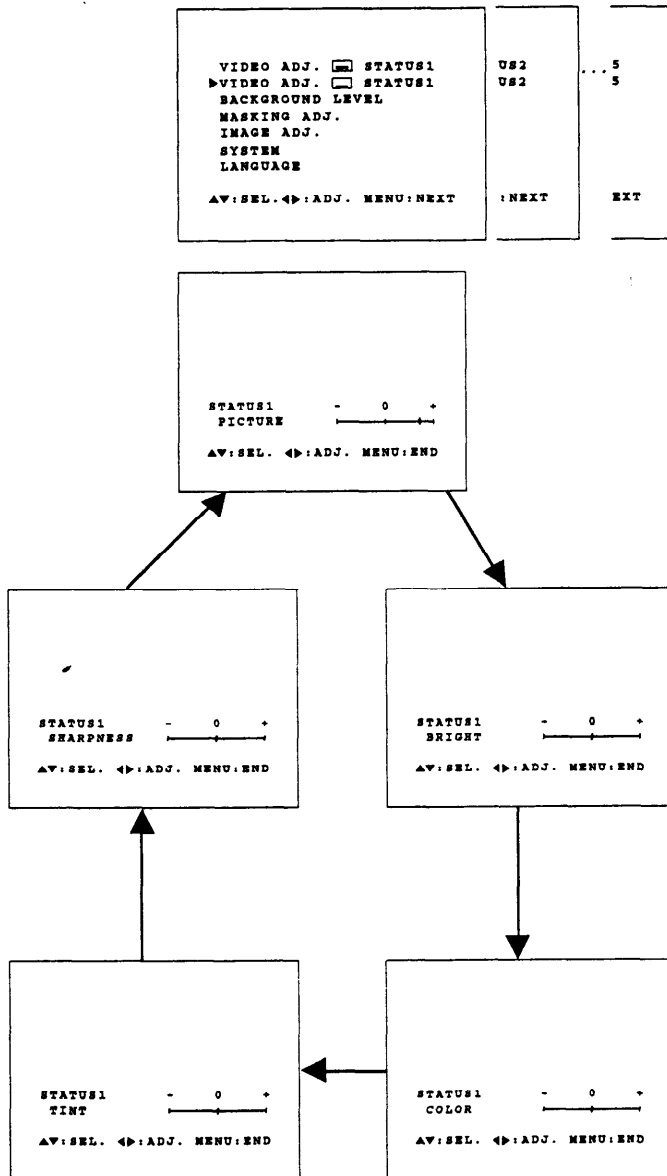
#### Description of Adjustment Items

Selected item	ADJUSTMENT ◀ button	ADJUSTMENT ▶ button
PICTURE	To decrease contrast	To increase contrast
BRIGHT	For less brightness	For more brightness
COLOR	For less colour intensity	For more colour intensity
TINT	Skin tones become purplish	Skin tones become greenish
SHARPNESS	For less sharpness	For more sharpness
RESET	All Video Adjustment items are returned to the factory preset settings. Note: To reset all adjustment items, select RESET in "ADJ. [STATUS] mode."	

### 3. Press the MENU button anytime to exit VIDEO ADJ.

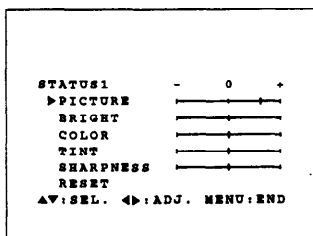
1

#### On-Screen Display



• TINT: NTSC only

#### On-Screen Display



• TINT: NTSC only

When video mode is selected.

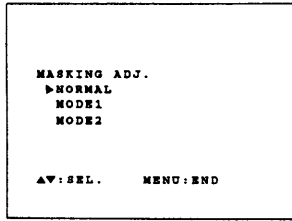
## Checking Picture Adjustments

When the MENU button is pressed, the MENU mode is indicated for about 30 seconds. Press the ADJUSTMENT ▼/▲ buttons to select "VIDEO ADJ. [STATUS] STATUS1", then press the MENU button.

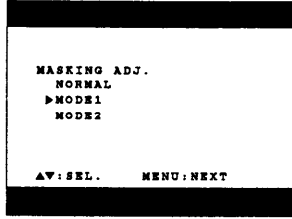
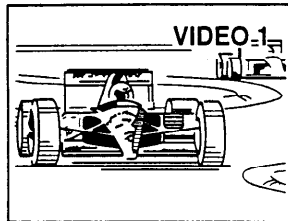
- Each time you press the ADJUSTMENT ▼/▲ buttons while the display is shown, the ▶ mark will move to indicate the selected video status item for adjustment.
- When the ADJUSTMENT (◀) or (▶) buttons are pressed, the "█" mark moves.
- The adjustment mode is indicated for about 30 seconds.

# Masking Adjustment

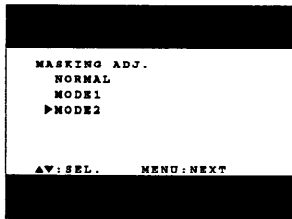
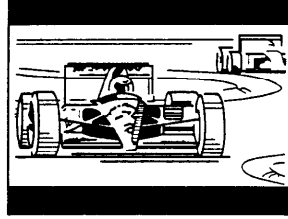
## On-Screen Display



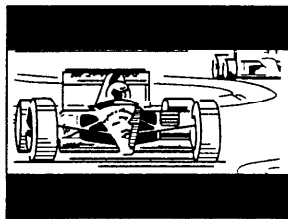
Normal Mode



Vista Mode



CinemaScope Mode



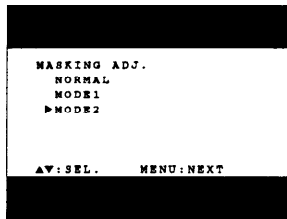
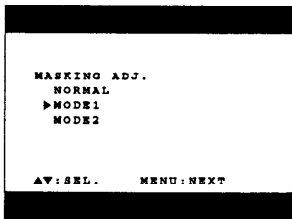
■ The Masking function can be used to increase your enjoyment of wide-screen pictures — such as laser disc and videotaped movies — by eliminating video noise and blacking out the top and bottom portions of the screen. This projector offers you a choice of three modes: "Normal Mode", "Vista Mode", and "Cinema-Scope/Letterbox Mode".

- Press the MENU button. While the MENU screen is displayed, press the ADJUSTMENT ▼/▲ buttons to select MASKING ADJ., and then press the MENU button. The MASKING ADJ. screen will appear as shown on the left.
- Press the ▼/▲ buttons to change the mode. Vista Mode is indicated by MODE 1 and CinemaScope Mode is indicated by MODE 2.
- In Masking mode, the screen changes as shown.

### Notes:

- When viewing, please be aware that use of this image masking function may infringe on the legally protected copyrights of the producer of the video software.
- Video software recorded in one mode cannot be converted and viewed in another mode.
- The image will only be masked off and not converted.

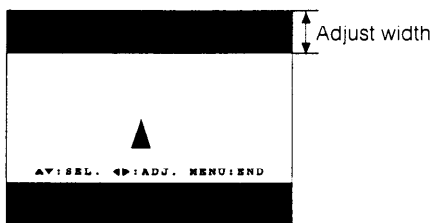
## 1



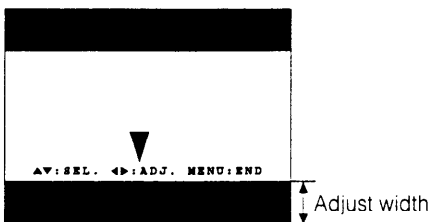
## 1. How to Adjust Masking

- Press the MENU button. While the MENU screen is displayed, press the ADJUSTMENT ▼/▲ buttons to select "MASKING ADJ.", and then press the MENU button. The MASKING ADJ. screen will appear as shown on the left.
- After selecting the mode, press the MENU button to display the ADJUSTMENT mode screen.

## 2, 3



Adjusting the upper masking



Adjusting the lower masking

## 2. Press the ▼/▲ buttons.

- Use the ▼/▲ buttons to choose the masked portion you want to adjust as indicated by the yellow ▲ or ▼ mark.
- Each time you press the button, the mark on the screen will change as shown.
- The ▲ or ▼ mark is displayed for about 30 seconds.

## 3. Adjust with the ◀/▶ buttons.

- Pressing the ◀/▶ buttons while the ▲ or ▼ mark appears on the screen causes the masking to become thicker or thinner.

## To return to the factory preset settings

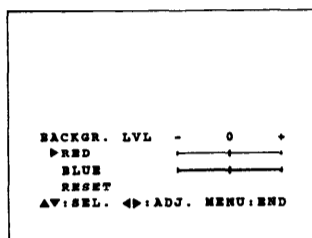
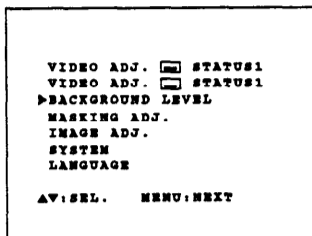
Press the power button OFF and unplug the AC cord while the fan is still running. Plug the AC cord back in, and after 60 seconds press the power button back ON.

# Functions on the Projector

## Background level

- The Background Level adjustment can be used to adjust the picture white balance for the selected Video Input Source.
- Optimal image quality can be achieved by adjusting the white portion of the picture to obtain the best colour for the selected source.

### On-Screen Display



## Adjusting the BACKGROUND LEVEL

- Press the MENU button.  
Select BACKGROUND LEVEL with the ▼/▲ buttons. Then press the MENU button to change to the picture indicated on the left.
- Select RED or BLUE with the ▼/▲ buttons.  
Adjust the mode you want with the ◀/▶ buttons.
- To return to the factory preset mode, press the ▼/▲ buttons to select RESET then press the ◀/▶ buttons.
- Press the MENU button to select the normal screen mode.

### Note:

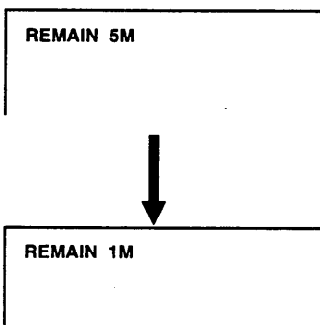
- The Background Level must be adjusted for each source and is not stored in the status memory.

## Using the Blue Screen Function

This projector is equipped with a Blue Screen function that will turn the screen blue when the video input terminal is not connected to anything, or the video component is turned off.

### On-Screen Display

```
IMAGE ADJ.  
▶BLUE SCREEN (ON)  
REVERSE (OFF)  
INVERT (OFF)  
INPUT DISPLAY (ON)  
▲V:SEL. ◀▶:ADJ. MENU:END
```



```
IMAGE ADJ.  
BLUE SCREEN (OFF)  
REVERSE (OFF)  
INVERT (OFF)  
▶INPUT DISPLAY (OFF)  
▲V:SEL. ◀▶:ADJ. MENU:END
```

- Press the MENU button. While the MENU screen is displayed, press the ADJUSTMENT ▼/▲ buttons to select IMAGE ADJ. Then press the MENU button to display the IMAGE ADJ. screen as shown. Press the ADJUSTMENT ▼/▲ buttons to select "BLUE SCREEN", and press the ADJUSTMENT ◀/▶ buttons to select ON or OFF. Press the MENU button to return to the normal screen.
- When the Blue Screen function is on, the screen will turn blue when no video signal is being input through the video input terminal.
- When the Blue Screen function is on, and no video signal is input via the input terminal for more than 15 minutes, the power is automatically turned off.

- Five minutes and one minute before the power is turned off, the indicators appear as shown.

#### Notes:

- When the power is turned off, the POWER indicator will light red.
- To turn the power on again, press the POWER button to set it to OFF, then press it again to set it to ON.

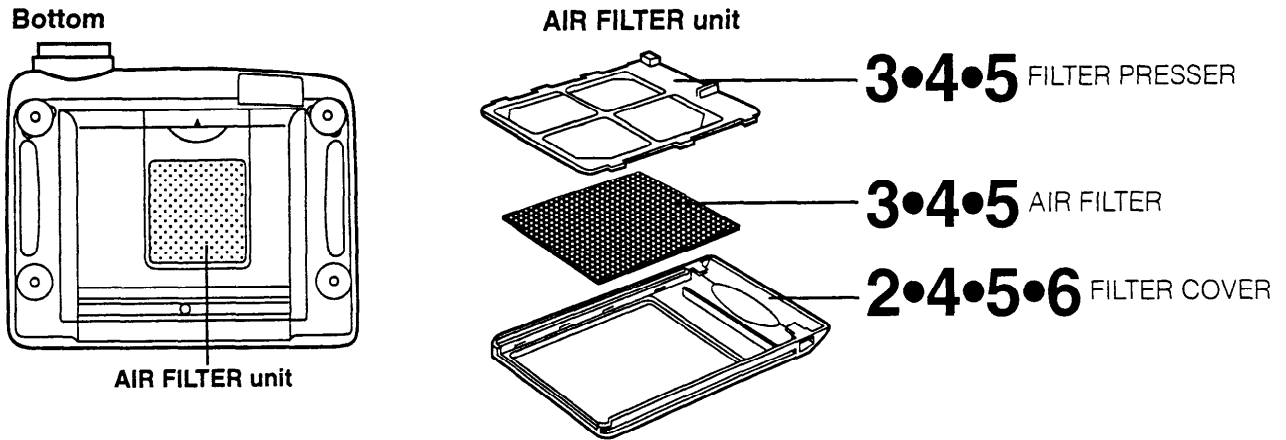
## Using the On-Screen Display Override Function

The On-Screen Displays ("VIDEO 1", etc.) that appear during input select can be turned off.

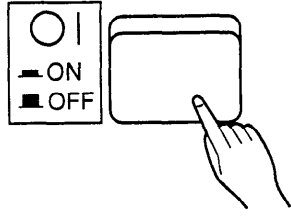
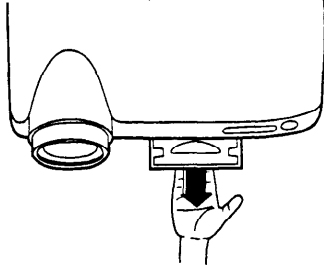
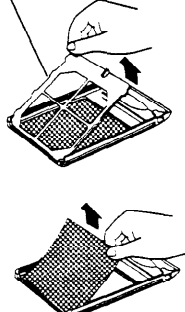
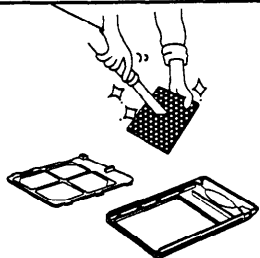
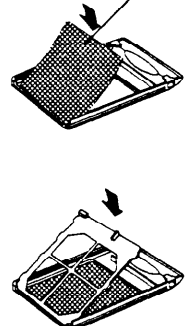
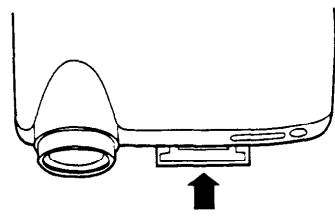
- Press the MENU button. While the MENU screen is displayed, press the ADJUSTMENT ▼/▲ buttons to select IMAGE ADJ. Then press the MENU button to display the IMAGE ADJ. screen as shown. Press the ADJUSTMENT ▼/▲ buttons to select "INPUT DISPLAY", and press the ADJUSTMENT ◀/▶ buttons to select ON or OFF, then press the MENU button.
- When OFF is selected, the On-Screen Display ("VIDEO 1", etc.) will not be displayed during input select.
- To return to the normal screen, press the MENU button.

# Air Filter Maintenance

- The air filter should be cleaned every 100 hours of use. Clean the filter more often when the projector is used in a dusty or smoky location.
- Have your nearest Authorized Sharp Professional LCD Presentation Products Dealer replace the filter (PFILD0030CEZZ) when it is no longer possible to clean it.



## Cleaning and Replacing the Filter

<p><b>1 Press the MAIN POWER switch OFF.</b></p>  <p>Unplug the power cord.</p>	<p><b>2 Remove the FILTER COVER.</b></p> <p>Grasp the filter cover by the depressed portion and pull straight out.</p> 	<p><b>3 Remove the AIR FILTER.</b></p> <p>Grasp the air filter presser tab between your fingers and pull to remove. Remove the air filter.</p> 
<p><b>4 Clean the AIR FILTER.</b></p> <p>Clean the dust off the air filter, cover and presser with a vacuum cleaner.</p>  <p>If the filter is very dirty, wash with a water-diluted neutral detergent. Leave the filter to dry in the sun.</p>	<p><b>5 Replace the AIR FILTER.</b></p> <p>Return the air filter and the presser to their original positions in the filter cover.</p> 	<p><b>6 Replace the FILTER COVER.</b></p> 

**Note:**

- Be sure the AIR FILTER COVER is securely installed. The power cannot be turned on unless it is correctly installed.

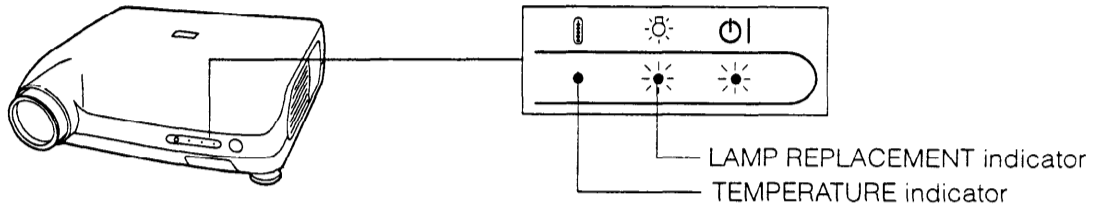
# Lamp/Maintenance Indicators

## Lamp

- The lamp has a finite operating life.
- When the lamp has nearly reached the end of its operating life, the picture and colour quality deteriorate. At this point, take your projector to the nearest Authorized Sharp Professional LCD Presentation Products Dealer for repair.
- Intense light hazard. Do not attempt to look into the aperture and lens while the projector is operating.

## Maintenance Indicators

- The warning lights on the projector indicate problems inside the projector.
- There are two warning lights—a TEMPERATURE indicator which warns that the projector is too hot, and a LAMP replacement indicator which lets you know when to change the bulb.
- If a problem occurs, either the TEMPERATURE indicator or the LAMP replacement indicator will light up red, and the power will shut off. After turning off the power, follow the procedures given below.



Warning Indicator	Symptom	Problem	Possible Solution
TEMPERATURE indicator	The internal temperature is abnormally high.	•Blocked air intake.	• Relocate projector to a proper location.
		•Clogged air filter.	• Clean the filter. (See GB-19.)
		•Cooling fan breakdown. •Internal circuit failure.	• Take the projector to your nearest Authorized Sharp Professional LCD Presentation Products Dealer.
LAMP REPLACEMENT indicator	The lamp does not light up.	•Burnt-out lamp.	• Carefully change the lamp.
		•Lamp circuit failure.	• Take the projector to your nearest Authorized Sharp Professional LCD Presentation Products Dealer.

### Notes:

- If the TEMPERATURE indicator light comes on, after servicing, please wait until the projector has cooled down completely before turning the power back on. (At least 5 minutes.)
- When the power is turned off and then turned on again, as during a brief rest, the LAMP replacement indicator may be triggered, preventing the power from going on. When this happens, take the power plug out of the AC outlet and put it back in again.

## Before Calling for Service

Problem	Check
No picture and no sound.	<ul style="list-style-type: none"> <li>• The projector power cord is not plugged into the AC wall outlet.</li> <li>• The MAIN POWER switch is set to OFF.</li> <li>• The input is wrong. (See GB-14.)</li> <li>• Cables improperly connected to rear panel of the projector. (See GB-12.)</li> <li>• Remote control batteries have run down. (See GB-5.)</li> </ul>
Sound is heard but no picture appears.	<ul style="list-style-type: none"> <li>• Cables improperly connected to rear panel of the projector. (See GB-12.)</li> <li>• The BRIGHTNESS and PICTURE adjustments are set to minimum position. (See GB-15.)</li> </ul>
Colour is faded or poor.	<ul style="list-style-type: none"> <li>• Check that the COLOR and TINT adjustments are correct. (See GB-15.)</li> </ul>
Picture is blurred.	<ul style="list-style-type: none"> <li>• Adjust the focus. (See GB-6.)</li> <li>• The projection distance is too long or too short to allow for proper focus. (See GB-7.)</li> </ul>
Picture appears but no sound is heard.	<ul style="list-style-type: none"> <li>• Cables improperly connected to rear panel of the projector. (See GB-12.)</li> <li>• Volume is set to minimum. (See GB-14.)</li> </ul>
An unusual sound is occasionally heard from the cabinet.	<ul style="list-style-type: none"> <li>• If the picture is normal, the sound is due to cabinet shrinkage caused by temperature changes. This will not affect operation or performance.</li> </ul>
Maintenance indicator lights up.	<ul style="list-style-type: none"> <li>• Refer to "Lamp/Maintenance Indicators" on GB-20.</li> </ul>

# Specifications

Product Type	LCD Projector	
Model	XV-380H	
Video system	PAL/SECAM/NTSC 3.58/NTSC 4.43	
Display method	LCD panels × 3, RGB optical shutter method	
LCD panels	Panel size	3.0" (4.5(H) × 6.2(W) cm)
	Display method	Translucent TN liquid crystal panels
	Drive method	TFT (Thin Film Transistor) Active Matrix panels
	No. of pixels	309,120 dots × 3 panels
Lens	1-1.6 zoom lens, F3.6-4.6, f=105-168 mm	
Projection lamp	250 W Metal halide	
Contrast ratio	100:1	
Video input signal	RCA Connector: VIDEO, composite video, 1Vp-p, sync negative, 75Ω terminated RCA Connector: AUDIO, 142 mVrms, more than 47KΩ (stereo)	
S-video input signal	4-pin mini DIN connector Y (luminance signal): 1 Vp-p, sync negative, 75Ω terminated C (chrominance signal): burst 0.286 Vp-p, 75Ω terminated	
Video (monitor) output signal	RCA Connector: VIDEO, composite video 1Vp-p, sync negative, 75Ω terminated RCA Connector: AUDIO, 142 mVrms, more than 47KΩ (stereo)	
Horizontal resolution	500 TV lines (video input)	
Audio output	3W (monaural)	
Speaker system	3" (8 cm) round	
Rated voltage	AC 200-240V	
Rated frequency	50/60 Hz	
Power consumption	335W	
Standby consumption	4.3 W	
Operating temperature	5°C to 40°C	
Storage temperature	-20°C to 55°C	
Cabinet	Plastic	
Dimensions (W x D x H)	500 × 447 × 201 mm projector only 500 × 520 × 201 mm incl. terminal cover	
Weight	12.1 kg-projector only, 12.4 kg incl. terminal cover	
Supplied accessories	Remote control unit, two AAA batteries, lens cover (installed), terminal cover, extra air filter, inverting labels, AV cable, 21 pin RCA conversion adaptor	
Replacement parts	Remote control (RRMCG1310CESA), Air filter (PFILD0030CEZZ), AV cable (QCNW-3740CEZZ), 21 pin RCA conversion adaptor (QSOCZ0305CEZZ)	

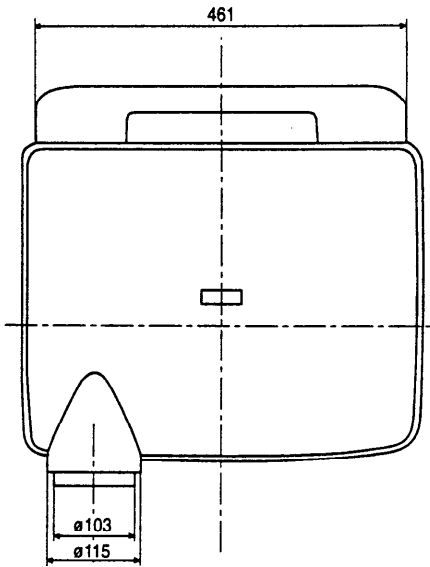
Our projector uses LCD (Liquid Crystal Display) panels. These very sophisticated panels contain 309,120 pixel (xRGB) TFTs. (Thin Film Transistors). As with any high technology electronic equipment such as large screen TVs, video systems and/or video cameras, there are certain acceptable tolerances that the equipment must conform to.

Sharp's acceptable tolerances permit a total of six (6) inactive TFTs, which may result in illuminated dots on the picture screen.

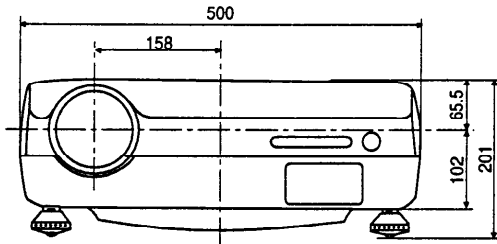
This will not affect the picture quality or the life expectancy of the unit.

\*Specifications are subject to change without notice.

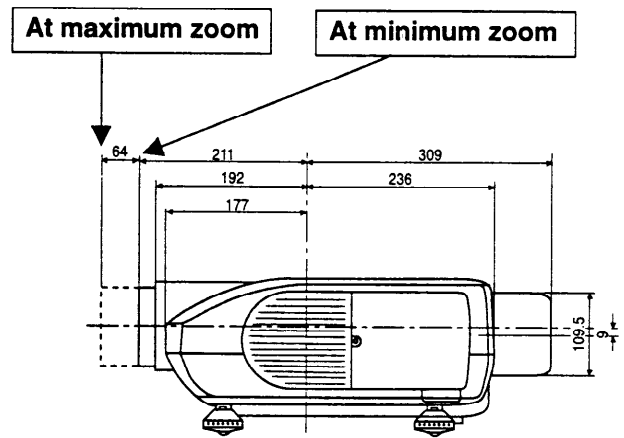
# Dimensions



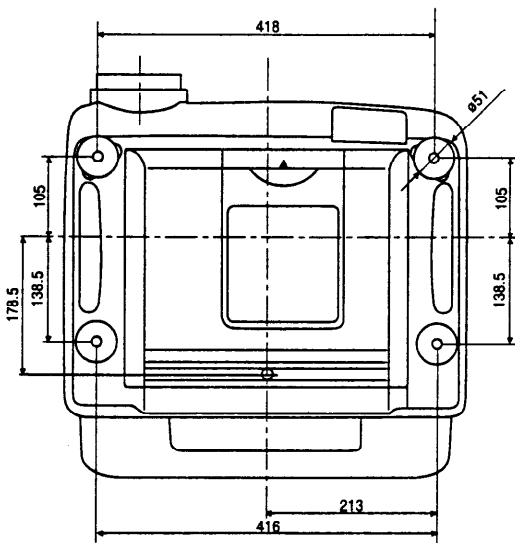
**Top View**



**Front View**



**Side View**



**Bottom View**

[Units: mm]