# XG-MB67X

## Dimensions (Units: mm)

| Top | Back |
| Front | |

280
15
9
69.2
109
11
80
77.5
315
73
47
104
47.5
11
23.8
75
46.2
65.5
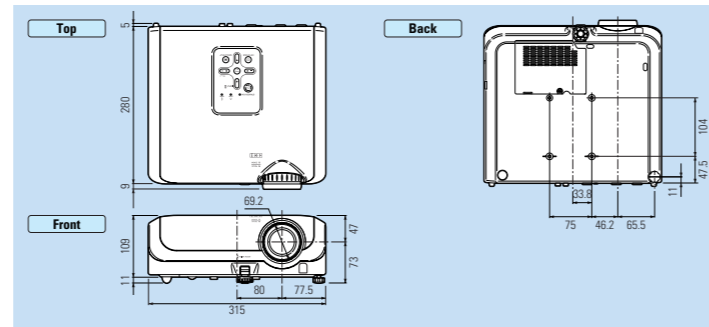
## Optional Accessories

| Lamp | USB Remote Receiver | Cable | Ceiling Mounts |
|------|---------------------|-------|----------------|
| **AN-XR20LP** | **AN-MR2** | **AN-C3CP2**<br>3-RCA to 15-pin<br>D-sub cable (3 m) | **AN-TK201**<br>For high ceiling<br>installation | **AN-TK202**<br>For standard ceiling<br>installation | **AN-60TK**<br>Installation adaptor |

Note: Some of the optional accessories may not be available depending on the region.
Please check with your nearest Sharp Authorized Projector Dealer or Service Center.

## Specifications

| Model | XG-MB67X |
|-------|----------|
| Panels | 0.55" DMD |
| Number of pixels | 786,432 (1,024 x 768) |
| Resolution | 600 TV lines (DTV 720P input) |
| RGB input signals | SXGA+/SXGA/Mac 21" (in intelligent compression),<br>XGA, SVGA, VGA, PC-98, VESA, Mac 19"/16"/13"<br>15-70 kHz (horizontal), 45-85 Hz (vertical), 12-108 MHz (pixel clock) (plug & play VESA: DDC 1/2B) |
| Video colour systems | NTSC 3.58/NTSC 4.43/PAL/PAL (60Hz)/PAL-M/PAL-N/SECAM<br>DTV (480I/480P/540P/576I/576P/720P/1035I/1080I) |
| Lens | 1:1.15 manual zoom and focus |
| Projection size | 40" (102 cm) to 300" (762 cm) diagonal [Normal Mode (4:3)] |
| Projection distance | 40" (102 cm): 1.4 – 1.6 m, 100" (254 cm): 3.5 – 4.0 m, 300" (762 cm): 10.4 – 12.1 m |
| Luminance | 3,000 ANSI lumen (Standard Mode)<br>2,400 ANSI lumen (Low Power Mode) |
| Contrast ratio | 2000:1 |
| Audio amplifiers | 2 W (mono) |
| Speakers | 4 x 2.85 cm (oval) x 1 |
| Input terminals | Computer RGB/component x 2 (15-pin mini D-sub), video x 1 (RCA), S-video x 1 (4-pin mini DIN), audio x 2 (3.5-mm mini jack x 1, RCA L/R), RS-232C serial x 1 (9-pin mini DIN), LAN x 1 (RJ-45) |
| Output terminals | Computer RGB/component x 1 (15-pin mini D-sub), audio x 1 (3.5-mm stereo mini jack) |
| Power source | AC 110-240 V, 50/60 Hz (Multi-Voltage) |
| Power consumption | 385 W (Standard Mode), 308 W (Low Power Mode), 9.3 W (Standby) with AC 110 V<br>367 W (Standard Mode), 300 W (Low Power Mode), 10 W (Standby) with AC 240 V |
| Heat dissipation | 1,450 BTU/hour (Standard Mode), 1,160 BTU/hour (Low Power Mode) with AC 110 V<br>1,380 BTU/hour (Standard Mode), 1,130 BTU/hour (Low Power Mode) with AC 240 V |
| Fan noise | 37 dB (Standard Mode), 30 dB (Low Power Mode) |
| Projection lamp | 300 W SHP |
| Lamp life*[1] | 2,000 hours (Standard Mode), 3,000 hours (Low Power Mode) |
| Dimensions (W x H x D) | 315 x 109 x 280 mm (main body only)<br>315 x 120 x 294 mm (including adjuster legs and projecting parts) |
| Weight | 3.9 kg |
| Supplied accessories | Remote control, Two R-6 batteries (AA size, UM/SUM-3, HP-7 or similar), RGB cable (3.0 m), Lens cap,<br>Power cord (1.8 m), DIN-D-sub RS-232C adaptor (15 cm), Operation manual |

Design and specifications are current as of July 2006, but are subject to change without notice.
* DLP® and the DLP logo are resistered trademarks of Texas Instruments.
* All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers.
  Sharp makes no warranties or representations of any kind with respect to these products.
*1 The lamp life may vary depending on the usage condition.

# SHARP

## High-Quality, High-Performance DLP® Projector Includes Unique Network System for Convenient Management and Maintenance

## Notevision

**PICTURE BY DLP**
TEXAS INSTRUMENTS

**TrueVision™**

# Simple-to-Use New DLP® Projector with High-Contrast, High-Brightness and High-Quality Performance Reliability to Meet Your Needs

## High-Performance Projection Elements

### 3000 ANSI Lumen High Brightness (Standard Mode)
Sharp's advanced optoelectronics technology maximizes light output, providing crystal clear images in amazingly high brightness.

### Low Fan Noise
The DLP® high-speed colour wheel with non-contact Fluid Dynamic Bearings together with multiple ultra-quiet cooling fans reduce unpleasant noise, enabling quiet operation at 30dB in Low Power mode. The operation is so quiet it causes no disturbance even in meetings or school classes.
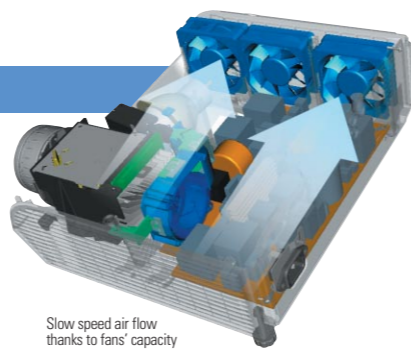
Slow speed air flow thanks to fans' capacity

## Cutting Edge Technology Provides High-Quality Picture

### 2000:1 High-Contrast, High-Quality Image
By utilizing the DLP® optical system and Sharp's optical technology, the projectors produce crisp details and sharper blacks in black parts thanks to a 2000:1 high contrast ratio.
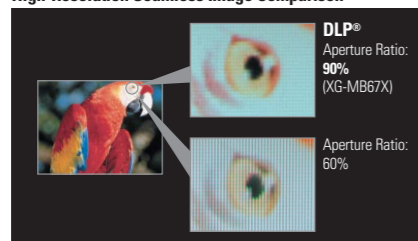
Comparison of Contrast Ratio

2000:1    400:1

XG-MB67X

### DLP® Digital Image
Using DLP® chip, each pixel is individually composed of one of over a half a million micromirrors to produce a high resolution, and the micromirrors lie at a distance of merely one micron, providing a seamless finely detailed picture. Also, high-speed on/off switching delivers smooth moving scenes.

High-Resolution Seamless Image Comparison

DLP®
Aperture Ratio:
90%
(XG-MB67X)

Aperture Ratio:
60%

### 3x Speed Colour Wheel
The projectors employ a colour wheel with an engine speed of up to 3x, improving colour break-up to an invisible level. Also, the non-contact Fluid Dynamic Bearings for the high-speed rotating colour wheel axle have a longer lifespan.

DLP® Chip
Projection Lens
Relay Lens
Colour Wheel (CW)
Projection Lamp

### IP Conversion from TrueVision™ Image Processing
TrueVision™ Image Processing provides optimal video performance. The motion-adaptive scan images produce smooth moving scenes and ensure smooth natural lines and edges.

Without TrueVision™ Image Processing

With TrueVision™ Image Processing

## High-Quality Reliability

### Long-Life High-Performance DLP® Picture
With DLP® technology minimally absorbing high-output light, the projectors maintain uniform colour reproduction capability for a long period of time. Also, DLP® chip formation with finely structured mirrors provides stable performance and delivers high-quality pictures for longer periods. The DLP® chip contributes to a long lifespan.

In addition, because there is no burn-in or remaining afterimage, the projectors are ideal for still picture projection such as for guidance board applications and projecting CAD images.
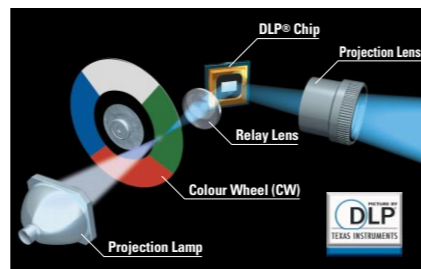
DLP® projection
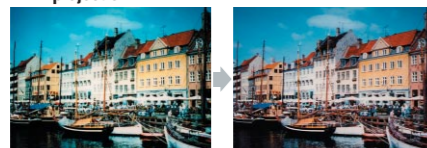
After 4,100 hours
(The picture shows no significant deterioration even after using the DLP® panel 4,100 hours.)
* By RIT/Munsell Colour Science Laboratory Test

### Double Sealed Mechanism
The optical mechanism is sealed in its structure, preventing dust, dirt and smoke from entering core parts of the optics to a much greater degree. Plus, filters have been added for an enhanced interactive combination to even further block entry of these elements.

Sealed Optics
Light Ray
DMD Device
Cooling Vent
Heat Sink
Dust Filter

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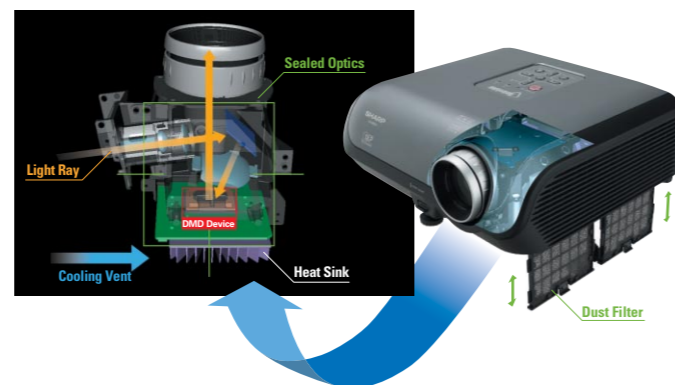
## Operation Simple Enough for Anyone to Use

### Setup Guide for Interactive Operation
The XG-MB67X Setup Guide provides intuitive OSD images to show the next step interactively for setup including focus, zoom and height adjustment.

Setup Guides
◉ FOCUS    ↕ HEIGHT ADJUST
↵ ENTER    ⊕ ZOOM
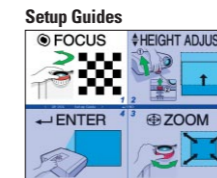
Setup guide is displayed after the projector is turned on.

### Interactive Help Menu
The Help Menu displays any problems and assists the user in solving problems with operation.
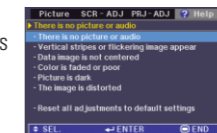
### Advanced Picture Mode
Quickly and directly choose the appropriate settings for the picture mode and lamp brightness to match the intended application.

"Picture Mode" triggers on the Menu and the remote control.

Standard
Presentation
Movie
Game
sRGB

### Universal Design
The beeping sound informs the user when the power is on and cooling down has completed.
Also, intuitive button layout allows the user to operate the projector simply.

Intuitive Button Layout

### Quick Start
It takes only approx. 3 seconds to project the image.

## Multiple Connections for a Wide Range of Applications

### Multiple Input Terminals
Projectors can be connected to DVD players, cable or satellite boxes, laptop and desktop computers, HDTV tuners, VCRs and video game consoles.

## Sharp Unique Network System

### Web Browser Control
*Web browser control enables remote access and management of the projector by utilizing built-in firmware without the need for additional special software.*
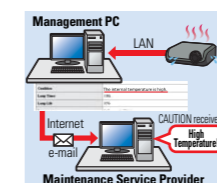
#### Remote Access for Control and Adjustment
Projector control functions, including power on, input select, volume, and AV mute as well as projector settings can be controlled and adjusted using a computer even in another room.

Room B
Room A
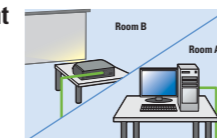
#### Diagnosis and Auto Email Sending
Email is automatically sent to appointed addresses when detecting an error, such as the lamp going out, unusual heating or cooling fan breakdown.

Management PC
LAN
Internet
e-mail
CAUTION received!
High Temperature!
Maintenance Service Provider

#### Link to a Specific Website for Service and Support
Specific websites addresses, such as for service and maintenance companies, can be saved to be displayed on the screen of a connected computer if an error occurs with the projector. For example, the web address of a lamp vendor can be saved so that the site can be accessed with the displayed link if the lamp burns out, thereby enabling the user to directly purchase a replacement. The display can also show the phone numbers, messages and e-mail addresses.

Screens & Accessories
Projector Lamps

### Control with Downloadable Display Manager
*A greater variety of network projector control options can be used when the Sharp Display Manager\* is installed on the main computer.*
*\* Sharp Display Manager can be downloaded from the Sharp Global Home Page for free.*
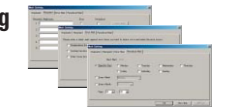*Sharp global homepage URL: http://sharp-world.com/projector*

#### Remote Access for Multiple and Group Projector Control
A management computer can control multiple projectors simultaneously.

#### Periodic Error Diagnosis and Auto Email Sending
The Display Manager sends error messages and periodic reports.

#### Theft Detection and Message
A warning message will appear on the screen of a computer when projector cables are disconnected.

### PJLink™ Capability
The XG-MB67X is compatible with devices that support PJLink™, enabling systems to be easily built for centralized management and operation using a controller.
For additional information about the PJLink™, visit http://pjlink.jbmia.or.jp/english/
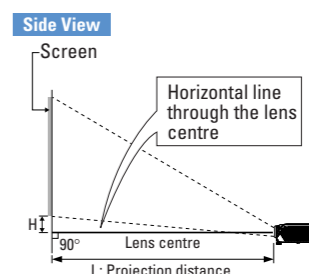
### Control System Compatibility
The XG-MB67X provides superior compatibility with various control systems such as Crestron, AMX and Extron.

inconcert

## Other Outstanding Features

- **4:3 and 16:9 Aspect Ratios and HDTV/DTV and DVD Compatible** (1080I, 1035I, 720P, 576P, 576I, 540P, 480P and 480I).
- **Image Shift Function** Images projected in 16 x 9 format can be vertically shifted for better viewing in limited spaces.
- **Auto Keystone Correction**
- **Presentation Support: Freeze, AV Mute**
- **Theft Deterrent Function "System Lock"**
- **Key Lock Function**

## Correlation of the Projector to the Screen

Side View
Screen
Horizontal line through the lens centre
Lens centre
H1
90°
L: Projection distance.

Screen Size and Projection Distance

NORMAL Mode (4:3)

| Picture size | | | Projection distance (L) | | Distance from lens centre to the bottom of the image [H] |
|---|---|---|---|---|---|
| Diag. (inches) | Width (cm) | Height (cm) | Minimum | Maximum | |
| 300 | 610 | 457 | 10.4m | 12.1m | 48cm |
| 200 | 406 | 305 | 7.0m | 8.1m | 32cm |
| 100 | 203 | 152 | 3.5m | 4.0m | 16cm |
| 60 | 122 | 91 | 2.1m | 2.4m | 10cm |
| 40 | 81 | 61 | 1.4m | 1.6m | 6cm |

STRETCH Mode (16:9)

| Picture size | | | Projection distance (L) | | Distance from the bottom of the image to the lens centre [H] | Adjustable range of image position [S] |
|---|---|---|---|---|---|---|
| Diag. (inches) | Width (cm) | Height (cm) | Minimum | Maximum | | |
| 250 | 553 | 311 | 9.5m | 11.0m | 96cm | +52cm |
| 200 | 443 | 249 | 7.6m | 8.8m | 77cm | +42cm |
| 100 | 221 | 125 | 3.8m | 4.4m | 38cm | +21cm |
| 60 | 133 | 75 | 2.3m | 2.6m | 23cm | +12cm |
| 40 | 89 | 50 | 1.5m | 1.8m | 15cm | +8cm |

* Negative figures mean the lens centre position is under the bottom of the picture.
* Allow a margin of error in the above values.