

SHARP

XG-MB70X/PG-MB60X
True XGA Multimedia Projectors

High-Brightness, High-Contrast, High-Performance DLP Projectors with Slim Body and Superb Dust Resistance



Notevision

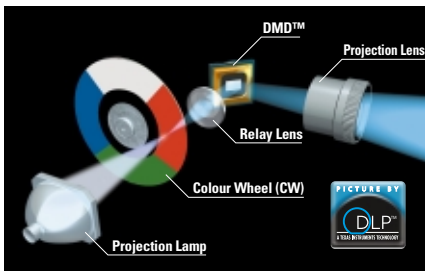


* The projected light is a simulated image.

Slim-Bodied, High-Performance DLP Projectors Expand Application Po

Cutting-Edge DLP Technology Provides All-Around Advantages in its Performance

The XG-MB70X/PG-MB60X projectors both employ a DLP™ system for the display device that controls the DMD™ (Digital Micromirror Device) chip, which contains many thousands of micromirrors on the silicon chip, reflecting light to display images.



Slim, Lightweight and Compact Design

With the DLP™ system, the XG-MB70X/PG-MB60X projectors present a slim (89 mm) body without hindering presentations, helping your business with numerous applications.

3000 ANSI Lumen (XG-MB70X)/2500 ANSI Lumen (PG-MB60X) High Brightness

Sharp's advanced optoelectronics technology maximizes light output, providing excellent uniformity and amazingly high brightness in this size of projector.

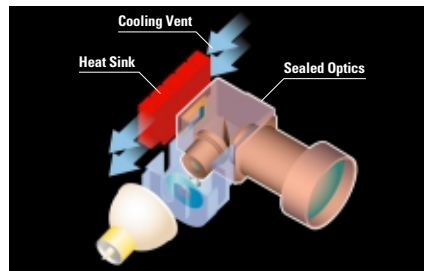
2000:1 High Contrast for Big Screen Projection (XG-MB70X only)

The DLP™ optical system prevents light leakage compared with LCD projection and provides sharper blacks in black parts and a 2000:1 high contrast ratio as well as employing an iris developed in Sharp theatre projectors. (1200:1 for the PG-MB60X) The XG-MB70X/PG-MB60X projectors are thus ideal for large-screen theatre projection, providing high-quality pictures for DVD*, HDTV and education videos. They are also compatible with worldwide broadcast signals such as NTSC, PAL and SECAM.

* A separate DVD player is needed for viewing DVDs.

Sealed Optics

The optical mechanism of DLP™ system projectors is sealed in its structure, preventing dust, dirt and smoke from the entering core parts of the optics to a much greater degree than with LCD projectors. The system also needs no filter and less maintenance, resulting in lower cost of ownership and longer use.



Long-life High-Performance DMD™ Panel

DMD™ silicon chip formation with finely structured mirrors provides stable performance and delivers high-quality pictures for longer periods. The DMD™ chip in the XG-MB70X/PG-MB60X achieves a lifetime of 20,000 hours*.

Also, 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.

* The lifespan is measured at the surrounding temperature of 25°C. This is a reference value and is not guaranteed.

And More Advantages

The projectors provides better compensation of picture uniformity.

3x Speed Colour Wheel

The projectors employ a primary colour wheel with a 3x speed engine, providing much shorter projection time and thus improving colour break-up to an invisible level. Also, the non-contact air bearings for the high-speed rotating colour wheel axle have a longer lifespan as well as reduce noise, especially unpleased high frequencies, and enable quiet operation at 32dB (XG-MB70X) and 30dB (PG-MB60X) in Eco Mode.

Improved Projection Performance

Auto Focus and Power Zoom Lens (XG-MB70X)

The XG-MB70X employs auto focus and a power zoom lens, eliminating the hassle of adjusting the picture on the screen. You can start presentations quickly and comfortably. (PG-MB60X employs power focus and a power zoom lens.)



Short Throw Lens (Optical 1.5X Zoom Lens)

The newly developed Short Throw Lens achieves 60-inch large screen projection even from the short distance of 1.8m. In addition, the projector can be mounted more flexibly with the 1.5x zoom lens.

XG-MB70X/PG-MB60X

Correlation of XG-MB70X/PG-MB60X to Screen

Side View

Screen Size and Projection Distance

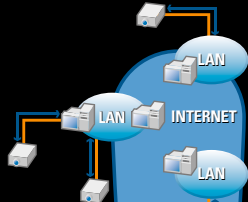
NORMAL Mode (4:3)

| Diag. (inches) | Screen size | | Projection distance (L) | | Distance from the bottom of the images to the lens center (-H) |
|----------------|-------------|-------------|-------------------------|---------|--|
| | Width (cm) | Height (cm) | Minimum | Maximum | |
| 300 | 610 | 457 | 9.1m | 13.7m | 10.2cm |
| 100 | 203 | 152 | 3.0m | 4.6m | 3.4cm |
| 60 | 122 | 91 | 1.8m | 2.7m | 2.0cm |
| 40 | 81 | 61 | 1.2m | 1.8m | 1.4cm |

STRETCH Mode (16:9)

| Diag. (inches) | Screen size | | Projection distance (L) | | Distance from the bottom of the images to the lens center (-H) |
|----------------|-------------|-------------|-------------------------|---------|--|
| | Width (cm) | Height (cm) | Minimum | Maximum | |
| 250 | 553 | 311 | 8.2m | 12.4m | 61.1cm |
| 100 | 221 | 125 | 3.3m | 5.0m | 24.5cm |
| 60 | 133 | 75 | 2.0m | 3.0m | 14.7cm |
| 40 | 89 | 50 | 1.3m | 2.0m | 9.8cm |

Network Possibilities



Web Management

Browser control and management of the projector without special software. In addition, it sends e-mail to a maximum of five appointed addresses when detecting something wrong such as the lamp going out, unusual heating or cooling fan breakdown.

* Compatible with Internet Explorer 5.0 or higher

Remote Control with Mouse

Screen displaying presentation software such as PowerPoint® can be easily moved forward/backward and the cursor can be moved by remote control.

The remote control pictured is for the XG-MB70X.



The illustration shown above is for the XG-MB60X.

Note: Vision Lock-Down Function

The optional part provides a solid mounting point for ceiling mount hardware, and the mounting area is reinforced by a metal plate. This view shows a maximum loading capacity of 5,700N (static load capacity) for the XG-MB60X/PG-MB60X. Maximum 5,700N (equivalent to a 570kg object hung on the projector. When hanging with four mounting points)

* N (Newton) is the unit for force. When the projector is connected to the ceiling mount projector, the projector is subjected to a force equivalent to 10N. (Based on Sharp load test)

Other Outstanding Features

- Simple Key Lock and System Lock Function
- Enlarge & Freeze

Unit: mm

Top

Front

Left Side

Right Side

282

1.5



XG-MB70X



Rear Terminals (XG-MB70X)







PG-MB60X



Rear Terminals (PG-MB60X)

Optional Accessories

| | | | |
|--|---|--|--|
| <p>Lamp</p>  <p>AN-MB70LP for XG-MB70X/ AN-MB60LP for PG-MB60X</p> | <p>Adaptor</p>  <p>AN-A1RS DIN-D-sub RS-232C adaptor (15 cm)</p> | <p>Cable</p>  <p>AN-C3CP2 3-RCA to 15-pin D-sub cable (3 m)</p> | <p>Ceiling Mounts</p>  <p>AN-TK201 For high ceiling installation</p> <p>AN-TK202 For standard ceiling installation</p> <p>AN-60TK Installation adaptor</p> |
|--|---|--|--|

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-MB70X | PG-MB60X |
|------------------------|---|--|
| Panels | 0.7" DMD | |
| Number of pixels | 786,432 dots (1,024 x 768; h x v) | |
| Resolution | 550 TV lines (video input), 750 TV lines (DTV 720P input) | |
| Video/data systems | RGB input signals: SXGA+, SXGA, Mac 21" (in intelligent compression), XGA, SVGA, VGA, VESA, Mac 19"/16"/13", 15-70 kHz (horizontal), 43-85 Hz (vertical), 12-108 MHz (pixel clock) (plug & play VESA: DDC 1/2/8) Video colour systems: NTSC/NTSC 4.43/PAL/PAL (60Hz)/PAL-M/PAL-N/SECAM/ DTV [480I/480P/540P/580I/580P/720P/1035I/1080I(50Hz/60Hz)] | |
| Lens | 1:1.5 power zoom and auto focus with iris | 1:1.5 power zoom and power focus |
| Projection size | 40" (102 cm) to 300" (762 cm) | |
| Projection distance | 40" (102 cm): 1.2 – 1.8 m, 100" (254 cm): 3.0 m – 4.6 m, 300" (762 cm): 9.1 – 13.7 m | |
| Luminance | 3,000 ANSI lumen in High Brightness Mode (Standard Mode) 2,600 ANSI lumen in High Brightness Mode (Eco Mode) | 2,500 ANSI lumen in High Brightness Mode (Standard Mode) 2,000 ANSI lumen in High Brightness Mode (Eco Mode) |
| Contrast ratio | 2,000:1 (High contrast mode) | 1,200:1 |
| Audio amplifier | 2W (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, audio L/R x 1 (ø3.5 mm mini jack), RS-232C serial x 1 (9-pin mini DIN), USB x 1, LAN x 1 (RJ-45) (XG-MB70X only) | |
| Output terminals | Computer RGB / component x 1 (15-pin mini D-sub), audio L/R x 1 (3.5 mm stereo mini jack) | |
| Power source | 100-240V AC, 50/60 Hz (Multi-Voltage) | |
| Power consumption | 370W (Standard Mode), 320W (Eco Mode), 6W (Standby) with AC 100V 350W (Standard Mode), 300W (Eco Mode), 8W (Standby) with AC 240V | 270W (Standard Mode), 220W (Eco Mode), 5W (Standby) with AC 100V 255W (Standard Mode), 210W (Eco Mode), 6W (Standby) with AC 240V |
| Heat dissipation | 1,390 BTU/hour (Standard Mode), 1,200 BTU/hour (Eco Mode) with AC 100V 1,315 BTU/hour (Standard Mode), 1,130 BTU/hour (Eco Mode) with AC 240V | 1,015 BTU/hour (Standard Mode), 960 BTU/hour (Eco Mode) with AC 100V 960 BTU/hour (Standard Mode), 760 BTU/hour (Eco Mode) with AC 240V |
| Fan noise | 35 dB (Standard Mode), 32 dB (Eco Mode) | 35 dB (Standard Mode), 30 dB (Eco Mode) |
| Projection lamp | 275W | 200W |
| Lamp life*1 | 2,000 hours (Standard Mode) / 3,000 hours (Eco Mode) | |
| Dimensions (W x H x D) | 310 x 89 x 282 mm (main body only), 310 x 104 x 287 mm (including adjuster legs and lens) | |
| Weight | 4.1 kg | 4.0 kg |

Design and specifications are current as of November 2004, but are subject to change without notice.

* Digital Light Processing, DLP and the DLP medallion are trademarks of Texas Instruments.

* All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers.

Sharp makes no warranties of representations of any kind with respect to these products.

*1 The lamp life may vary depending on the usage condition.



Pixelworks ICs are used in this projector.

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