

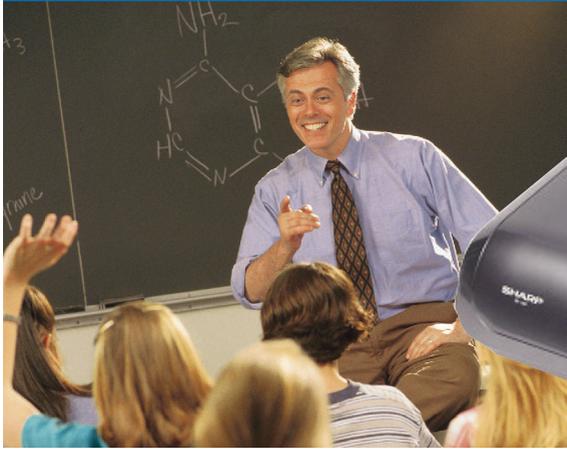
# SHARP®

# XG-MB50X

## 2000 ANSI Lumens, XGA

## Conference / Classroom Multimedia Projector

Projector • Projector • Projector • Projector • Projector • Projector • Proj



## AFFORDABLE, FULLY-FEATURED XGA PROJECTOR FOR CORPORATE AND EDUCATION INSTALLATIONS

Sharp continues to lead in the professional projection market, with the introduction of the XG-MB50X. In spite of its affordable price, the Conference/Classroom series XG-MB50X is not short on features, quality or performance. With 2000 ANSI Lumens brightness, and XGA native resolution, the XG-MB50X is perfect for most classroom or conference facilities, and with its high image quality (2000:1 contrast ratio) and wide compatibility (including HDTV), the XG-MB50X is the projector of choice for use with both computer and video sources.

Recognizing the needs of the "commercial" user, the XG-MB50X offers not only a 3-year parts and labor limited warranty [90-days on the user replaceable projection lamp], but also, 3-years of Sharp's industry leading "ER" 24-hour turnaround Express Repair support. Additionally, knowing that projectors in this category frequently interface with external control systems, the XG-MB50X features an on-board RS-232C port, and includes, FREE, the necessary RS-232C control adapter (which is an extra-cost option with other similar projectors).

Standard features of the XG-MB50X include XGA native resolution (1024 x 768) with compatibility up through SXGA+ (1400 x 1050), short-throw zoom/focus lens, DTV/HDTV compatibility and up to 3000-hour lamp life.

To enhance color accuracy, the XG-MB50X incorporates a unique Condenser Lens optical system, along with Texas Instruments™ DDR DLP™ display technology and TrueVision™ (DDP2000) image processing. A 3-times speed, 4-segment color wheel ensures that all projected images will be uniform - void of the "rainbow" effect common in other projectors, and sealed optics along with multiple ultra-quiet cooling fans make the XG-MB50X the projector of choice for extended-use operation.

With its wireless remote - including built-in forward/back PC control, operation is an ease from anywhere in the room. For higher-end integration, the XG-MB50X offers multiple computer/component, video and audio inputs, along with RGB/component "loop-through", stereo variable audio line-output ("VAO") and RS-232C control port.

Theft prevention also has been addressed, with Kensington™ lock capability, along with the availability of an ultra-heavy duty security cable kit for use with Sharp's ceiling mounting systems.

### Features & Benefits:

- 3-Year Parts and Labor Limited Warranty also including 3-years of Sharp's industry-leading "ER" 24-hour turnaround Express Repair support
- 2000 ANSI Lumens (1750 ANSI Lumens in low-power "eco & quiet" mode) for bright and crystal clear images
- XGA native resolution (1024 x 768) with intelligent ImageACE resizing for compatibility up through SXGA+ (1400 x 1050).
- RS-232C control adapter included "in the box" for installation convenience
- Texas Instruments DDR DLP™ technology in combination with TrueVision™ (DDP2000) advanced video circuitry for optimum performance, image quality and reliability
- 3x speed, 4-segment color wheel with sRGB, color temperature adjustment and bright-boost ensures superior color quality and brightness in any environment
- Sealed optics and multiple ultra-quiet cooling fans for reliable, extended-use operation
- 2000:1 contrast ratio provides rich image clarity
- On-screen setup guide and "Help" function ensures easy setup and operation
- DTV/HDTV compatibility (both 4:3 and 16:9) for use with current and future video technologies
- Short throw zoom/focus lens allows for a large projected image from a "short" throw distance
- Extended Lamp Life (up to 3000 hours in low power "eco" mode)
- Full function remote with PC control (forward/back), on-screen break timer and image "freeze" function
- Portable size and weight (8.6 lbs.) make the design perfect for meeting rooms, classrooms and even home office use

**3-Year U.S. Warranty, including  
3-Years of Sharp Express Repair support!**



**TrueVision™**

**Information Systems Group**



# XG-MB50X

## Conference / Classroom Multimedia Projector

Native Resolution / Resizing	XGA (1024 x 768) Native Resolution up through SXGA+ (1400 x 1050) with Intelligent ImageACE Resizing	Built-In Audio System	2.0 Watts Monaural
TV Lines	600 TV Lines (DTV 720P input)	Lamp Module	AN-XR10LP or AN-XR10LP/1 (275W DC, user replaceable)
Device Type	Single 0.55" DDR DLP™ 12" with 3x Speed, 4 Segment Color Wheel	Estimated Lamp Life	2,000 hours (standard mode); 3,000 hours (Low-Power "eco & quiet" mode)
Cabinet Color	Dark Metallic	Fan Noise (standard/eco)	33dB/30dB
H & V Frequency	fH 15-70 kHz / fV 45-85 Hz	Power Source	AC 100V-240V, 3.6 A
Dot Clock	12-108 MHz	Power Consumption (110V)	350W in "bright" lamp setting and "high" fan mode; 305W in "eco & quiet" lamp setting and "normal" fan mode. Standby mode: 4W
Compatibility	PC, Mac, Workstation	Heat Dissipation (110V)	1,315 BTU/hour (lamp setting "bright"); 1,145 BTU/hour (lamp setting "eco/quiet")
Video System	NTSC 3.58, 4.43 / PAL, 60, M, N/SECAM	Safety Approval	UL, FCC Class B
DTV / HDTV	Compatibility including 480I, 480P, 540P, 576I, 576P, 720P, 1035I, 1080I	Operating Temperature	41° F to 95-deg F (+5° C to +35° C)
Brightness	2000 ANSI Lumens with 85% CCR (Center-to-Corner Ratio); 1750 ANSI Lumens in Low-Power "eco & quiet" mode	Storage Temperature	-4° F to 140° F (-20° C to +60° C)
Contrast Ratio	2000:1	Dimensions (w x h x d)	12 13/32" x 4 19/64" x 11 1/32" (main body only) 12 13/32" x 4 47/64" x 11 37/64" (includes adjustment foot and projecting parts)
Lens Type	1:1.5x Manual Zoom and Focus, F2.4-2.6, f = 19.0-21.9mm, Throw Ratio = 1.75-2.0	Weight	8.6 lbs.
Optical System	Condenser Lens Optical System (provides higher image uniformity and contrast, without "ghosting")	Limited Warranty	3 Years parts/labor including 3-years of Sharp "ER" 24-hour turnaround Express Repair. 90-day lamp warranty.
Aspect Ratio:	Native 4:3 (with "image shift" for 16:9 software)	Inputs/Outputs	2 - RGB/Component Input (15-pin HD); 1 - Composite Video Input (RCA pin type); 1 - S-Video Input (4-pin DIN); 1 - PC/Component Stereo Audio Input (3.5mm mini jack); 1 - "Video" Audio Input (1-pair RCA pin-type); 1 - RGB Loop-through Output (15-pin HD); 1 - Stereo "VAO" Variable Audio Line Output (3.5mm mini jack); 1 - RS-232C (9-pin mini DIN).
Screen Size (Min / Max)	40" (diagonal) up to 300" (diagonal)	LAN Connectivity	Utilize Optional AN-LS1 Ethernet to RS-232C interface
Projection Distance (for 100" Diagonal Screen)	11.5' - 13.3'	Key Functions	Auto Synchronization; Vertical Digital Keystone Correction; I/P conversion and 3/2 pull down; 3-step bright-boost; color temperature adjustment; sRGB; Advanced Picture Mode; OSD (on-screen display) Help; set-up guide; quick start; menu selectable for tabletop or ceiling-mount operation.
IR Wireless Remote Control	Yes - with on-screen break timer and image "freeze" function. Also includes forward/back presentation control when used with optional AN-MR2 remote IR receiver. [38 kHz IR carrier frequency.]	Control Systems	Compatible with Crestron, AMX, Extron, Bitlogix

### Screen Size and Projection Distance - NORMAL Mode (4:3)

Picture (Screen) Size			Projection distance [L]		Distance from the lens center to the bottom of the image [H]
Diag. [X]	Width	Height	Minimum [L1]	Maximum [L2]	
300"	240"	180"	34' 3"	39' 8"	- 19 5/64"
200"	160"	120"	22' 10"	26' 5"	- 12 23/32"
150"	120"	90"	17' 2"	19' 10"	- 9 17/32"
100"	80"	60"	11' 5"	13' 3"	- 6 23/64"
84"	67"	50"	9' 7"	11' 1"	- 5 11/32"
72"	58"	43"	8' 3"	9' 6"	- 4 37/64"
60"	48"	36"	6' 10"	7' 11"	- 3 13/16"
40"	32"	24"	4' 7"	5' 3"	- 2 35/64"

**Note:** There may be an error of ± 3% in the above values. Values with a minus (-) sign indicate the distance from the lens center below the bottom of the image.

**Design and specifications subject to change without notice.**

© 2005 Sharp Electronics Corporation. Sharp is a registered trademark of Sharp Corporation. DLP™, the DLP™ logo the DLP™ medallion and TrueVision™ are trademarks of Texas Instruments. All other trademarks are the property of their respective owners. LC-02-304 October 2005 Rev. 1.0

**Included Accessories:** Wireless Remote Control; two "AA" batteries; 6' AC Power Cord; 10' RGB signal cable; attached lens cap, projector operation manual; RS-232C Control Adapter

**Optional Accessories:** AN-XRCM30 Ceiling Mounting Bracket; AN-EP101B: Extension Tube for Ceiling Mount; AN-JT200: Angle-Mount joint for Ceiling Mount; AN-CMCS16: 16" security cable system for use with ceiling mount; AN-CMCS46: 46" security cable system for use with ceiling mount and extension tube; AN-C3CP2: Component Video cable (3-RCA to 15-pin D-sub, 10'); AN-A1RS: RS-232C adapter; AN-C10RS RS-232C Serial Control Cable (32' 10"); AN-MR2 Remote IR Receiver (for forward/back presentation control); AN-C3BN 5-BNC to 15-pin D-sub cable (10'); AN-LS1 Ethernet to RS-232C adapter; AN-C500SB light-duty storage bag; AN-C500WCC hard-shell wheeled storage bag; AN-C500SC "ATA" storage case.

**SHARP ELECTRONICS CORPORATION**  
 Information Systems Group / LCD Products Division  
 Sharp Plaza, Mahwah, N.J. 07430-1123  
 1-866-4VISUAL (1-866-484-7825)  
 www.SharpLCD.com  
 email: ProLCD@SharpUSA.com