SHARP's Original Built-In Variable Lens Shift Control Optically Controls Projection Positions Opt

SHARP's Original Variable Lens Shift Control

Variable Lens Shift Control Function Enables Simple and Quick Projection Settings for Best Viewing Pictures

Conventional projectors must be mounted right in the front and centre facing the screen to get a full picture without distortion. When projected on a slant, distorted trapezoidal pictures should be digitally corrected. However, this is effective only vertically, or horizontally. Plus, after correction the picture is worse because the correction method is thinned.

Paying careful attention to the delicate movements of fingertips, Sharp with its advanced optical technology has developed a new lens shift mechanism that can adjust the projection position easily and freely horizontally, vertically, and diagonally. This mechanism enables finger-touch control to obtain proper projection for the best position viewing where the projection body doesn't bother viewers. Also, unlike with digital correction, the picture remains undistorted after the projection is optically corrected.

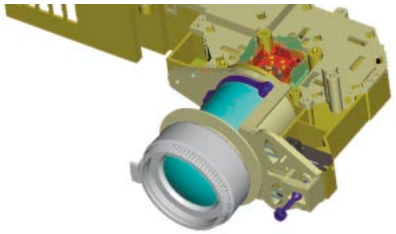


Illustration of setup
using Variable Lens Shift Control

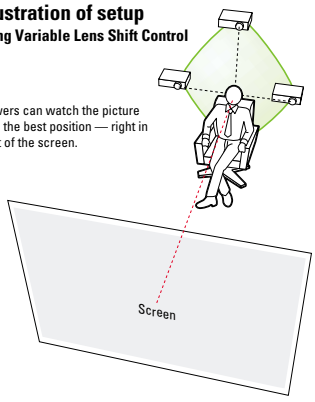
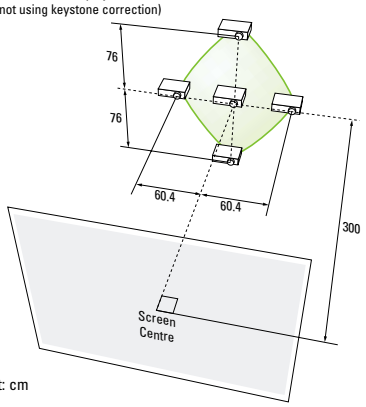


Diagram of possible projector setting areas
when using Variable Lens Shift Control
(When the minimum projection distance is 100" on a 4:3 screen and not using keystone correction)



Unit: cm

Full Range of Basic Features to Expand Projecti

Bright and Easy-to-See Pictures Even from a Compact Body 1200/1080 ANSI Lumen Brightness

Incorporating Sharp optoelectronics technology, the PG-B10S provides 1200 ANSI lumen brightness in Standard mode and is switchable to 1080 ANSI lumen in Eco mode in spite of its compact body.

32dB Low Fan Noise

The projector employs an Eco mode and a newly developed separate cooling system for reducing fan noise, eliminating annoying fan noise even in quiet meeting conditions.

Compact and Lightweight Design

The PG-B10S boasts a compact, full-size design of 294 mm (W) x 92 mm (H) x 222 mm (D) (main body only) with a 2.7-kg lightweight body, accompanying you with your PC to provide presentations anywhere.

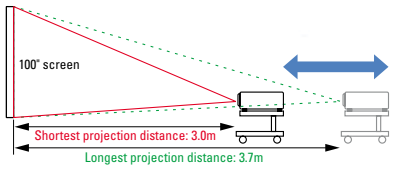
Short Throw Lens (Optical 1.25x Manual Zoom Lens)

The Short Throw Lens makes large-screen presentation possible even in a small meeting room.

(Shortest projection distance is 3m to project a 100" 4:3 picture.)

Diagram of PG-B10S Zoom Lens projection distances

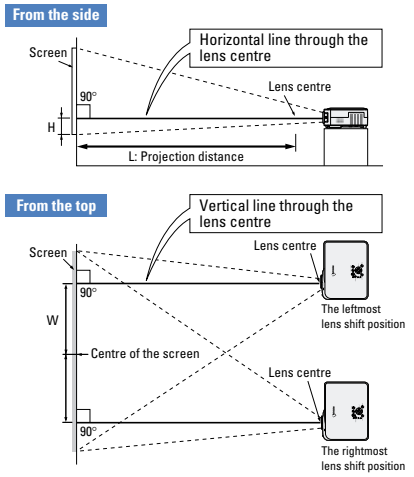
(When projecting a 100" 4:3 screen)



imally Vertically, Horizontally or on a Slant for Quick and Beautiful Viewing from a PC or Video.

on Possibilities at Home and on Business

■ Correlation of PG-B10S and Screen



4:3 Zoom Mode (Standard mode with computer input)

Picture size			L: Projection distance		H: Distance between the bottom of the picture and the lens centre		W: Distance between the centre of the picture and the lens centre	
Diagonal (inches)	Width (m)	Height (m)	Shortest	Longest	Bottom	Top	Leftmost	Rightmost
300	6.1	4.6	9.0m	11.3m	458.1cm	0cm	181.1cm	181.1cm
200	4.1	3.0	6.0m	7.5m	305.4cm	0cm	120.7cm	120.7cm
150	3.0	2.3	4.5m	5.6m	229.1cm	0cm	90.5cm	90.5cm
100	2.0	1.5	3.0m	3.7m	152.7cm	0cm	60.4cm	60.4cm
80	1.6	1.2	2.4m	3.0m	122.2cm	0cm	48.3cm	48.3cm
70	1.4	1.1	2.1m	2.6m	106.9cm	0cm	42.3cm	42.3cm
60	1.2	0.9	1.8m	2.2m	91.6cm	0cm	36.2cm	36.2cm
40	0.8	0.6	1.2m	1.5m	61.1cm	0cm	24.1cm	24.1cm

16:9 Stretch Mode

Picture size			L: Projection distance		H: Distance between the bottom of the picture and the lens centre		W: Distance between the centre of the picture and the lens centre	
Diagonal (inches)	Width (m)	Height (m)	Shortest	Longest	Bottom	Top	Leftmost	Rightmost
300	6.6	3.7	8.9m	12.9m	435.6cm	-61.4cm	197.4cm	197.4cm
200	4.4	2.5	7.1m	8.6m	290.4cm	-40.9cm	131.6cm	131.6cm
150	3.3	1.9	5.3m	6.4m	217.8cm	-30.7cm	98.7cm	98.7cm
120	2.7	1.5	4.3m	5.1m	174.3cm	-24.6cm	78.9cm	78.9cm
100	2.2	1.2	3.5m	4.3m	145.2cm	-20.5cm	65.8cm	65.8cm
80	1.8	1.0	2.8m	3.4m	116.2cm	-16.4cm	52.6cm	52.6cm
70	1.6	0.9	2.5m	3.0m	101.6cm	-14.3cm	46.1cm	46.1cm
60	1.3	0.7	2.1m	2.5m	87.1cm	-12.3cm	39.5cm	39.5cm
40	0.9	0.5	1.4m	1.7m	58.1cm	-8.2cm	26.3cm	26.3cm

* Negative figures mean the lens centre position is under the bottom of the picture.

Intuitive Layout of Buttons and Terminal Layout

For intuitive button layout, essential and frequently used buttons for basic operation, setup and image adjustment are located close together and arranged into colour groups, allowing simple and speedy setup and operation.

Functional Parts on the Body

Rear Terminals

Excellent PC Compatibility

Excellent Compatibility with a Wide Range of Computer Input Signals

The PG-B10S has true SVGA resolution. In addition, XGA (1,024 x 768), SXGA (1,280 x 1024) and SXGA+ (1,400 x 1,050) are also compatible in intelligent compression*1 for natural, smooth and clear PC display projection.

- Horizontal Frequency: 15-70 kHz
- Vertical Frequency: 43-85 Hz
- Pixel Clock: 12-108 MHz

sRGB Compatibility

sRGB Compatibility, the international standard for colour reproductivity, faithfully reproduces on PC displays the colour tones, phases, and gradations of the original pictures.

Auto Response Adjust (ARA)

One touch automatically synchronises subtly different projection signals from connected PCs.

Superior Video Image Quality

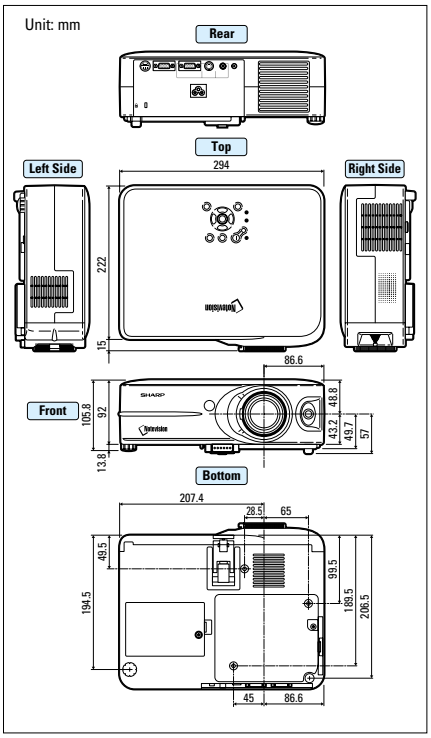
Big-Screen Projection of DVD*2 Software

With the merging of advanced technology from theatre projectors and high-grade television, the PG-B10S provides high-quality pictures for DVDs, HD-TV and education videos in large-screen projection. The projector is also compatible with worldwide broadcast signals such as NTSC, PAL and SECAM.

Other Outstanding Features

- **Digital Keystone Correction compensates for picture distortion**
- **Simple Key Lock and Anti-Theft Function**
- **Sharp Original Pull-Down Menu GUI (Graphical User Interface)**
- **Built-In 1W Speaker (right side)**
- **Enlarge & Freeze**
- **Picture Setting Memory**

■ Dimensional Drawings



*1 XGA, SXGA and SXGA+ images will be displayed in Intelligent Compression.
*2 A separate DVD player is needed for viewing DVDs.