

MW824ST



More Engagement, Less Energy Use

A wide array of connectivity options plus PointWrite™ and QWrite interactive features make the MW824ST a complete classroom interactive projector solution. A short-throw ratio, 13000:1 ultra-sharp contrast ratio, 3200 ANSI Lumens brightness and long lamp life ensure vibrant, reliable visual performance time and again. Also, featuring MHL function, it allows you to show the content from your Android devices to the big screen.

Key Features

- World-Leading SmartEco Technology
- LampSave Mode for Lower Replacement Cost
- Short-Throw Projection
- LAN Control with Crestron and PJ-Link
- MHL Connectivity

Overview

Power Saving, Eco Friendly

World-Leading SmartEco Technology for a Greener Environment

As the first DLP brand to incorporate Philips' ImageCare technology into its projector lamp system, BenQ has taken a further leap, developing its own SmartEco Technology to perfect what DLP can do for energy saving in the 21st century classroom. Built with this brand new invention, the MW824ST brings together uncompromised brightness, exquisite picture quality and optimized lamp life through innovative features.

Smart Eco Mode

The SmartEco Mode, which cleverly adjusts the lamp power to maximize power saving by delivering the best contrast and brightness performance using only as much light as needed.

LampSave Mode

Projector lamp replacement costs make up the biggest part of the total cost of projector ownership. The LampSave Mode is designed to adjust the lamp power dynamically by content brightness level to extend projector lamp life significantly by 50%! The lamp replacement frequency is also reduced by up to 50% to lower the replacement costs.

LumenCare Mode

The LumenCare Mode, which adjusts projector lamp power in gain steps until full power is reached, effectively maximizes power saving and reduces brightness decay. It's the first and only projection feature on market that ensures three years of consistent image brightness for optimal learning and teaching.

Eco Blank Mode

The Eco Blank mode allows teachers to blank the projection screen whenever they need to direct their students' focus back on them – or simply when the projector is not in use. When activated, this special feature dims the lamp power automatically, lowering the total power consumption by 70%.

No Source Detected Mode

The automatic switch to Eco Blank Mode after the projector is turned on for over three minutes without a display source, eliminating unnecessary energy waste and prolonging the life of the projector lamp.

Good Things Come in Short Distance

Zero Eye-Blinding Lights

The short-throw projection distance keeps the projector light from shining directly into your eyes, allowing you to keep your focus on your audience.

Zero Disruptions

Say goodbye to the shadows that often interrupt your presentation. With a projection distance this close, you and your audience can move freely without worrying about obstructions between the projector and the screen!

Interactive Learning with BenQ's Leading Technology

PointWrite™ Technology Allows More Students Participation at Once

Keeping students involved and engaged is a central practice in the BenQ Classroom IQ concept-and PointWrite™ is a great way to let multiple students contribute at once. Teachers can get up to 4 students to come up to the board and collaborate simultaneously with PointWrite™ pens. Quizzes, board work, presentations and games will never be the same! PointWrite™ is effortless to set up and cost efficient, making it flexible, affordable option of multi-pens.

Thoughtful Design

MHL Connectivity

With MHL (Mobile High-Definition Link) connectivity, you can share your content from your Android devices on big screen. MW824ST features MHL function and allows you to mirror the data, photo and other contents from your android devices to big screen. Also, your device is being charged while you're using it, you don't have to worry about the power while presenting.

Blu-ray Full HD 3D Supported

BenQ MW824ST is built with latest DLP® technology to support 3D functionality, allowing schools to bring an immersive learning experience to their students with a simple preparation of 3D glasses and 3D content from your blu-ray player.

Hassle-Free Projector Maintenance

Upper Lamp Door for Easy Lamp Access

The upper lamp door is designed for it managers to replace the projector lamp safely and quickly. Should the projector lamp go out in the middle of the class, it can be replaced without delaying the class.

LAN Control with Crestron and PJ-Link

LAN Control is designed to help IT managers perform day-to-day projector maintenance and repair tasks efficiently and effectively – offering them full access and control over every projector directly from their workstations. The MW824ST offers seamless support for the Crestron and PJ-Link LAN Control system.

Quick Installation

By pressing Quick Install key on the remote control, installer can quickly access to installation related functions in the OSD menu.

BenQ DLP®Projectors | Long-Lasting Image Perfection with DLP Technology

Timeless Image Quality

BenQ DLP Projectors are built with enduring enjoyment in mind, ensuring razor-sharp clarity, ultra-readability and true-to-life color for years to come. We use leading-edge DLP Technology to reflect pure light from millions of micro mirrors on a DMD chip through our advanced color wheels. Since the mirrors are colorless and protected within a nearly-sealed engine, BenQ DLP Projectors have no aging problems and are virtually immune to image decay, consistently delivering picture excellence time and time again. In fact, after 2,000 hours of intense usage, inserting a new bulb produces image quality comparable to a brand-new projector.

DLP Technology also affords a filter-free engine design for carefree confidence in long-lasting image quality and reduced total cost of ownership. BenQ's SmartEco™ Technology further boosts contrast performance and image quality endurance while saving up to 70% on lamp power consumption.

Razor-Sharp Clarity with Ultra-Readability

Enabling a 96% fill factor, DLP Technology supplies pixel circuitry behind the pixel, thereby eliminating the thick dark bezels around individual pixels, which diminish color and detail. A higher fill factor and less black border translate to noticeably purer, more intense color and smoother image quality.

BenQ DLP Projectors also feature high contrast ratios for flawless rendering of small text, fine lines, and dark scene details. Blacks are deeper and overall image quality is more focused and clean. Your presentations will be easily readable and highly effective, even from the back row of a well-lit venue.

Vibrant, True-to-Life Colors

Even in lit venues, BenQ DLP Projectors achieve the optimal balance of brightness and color accuracy, with BrilliantColor™ Technology additionally boosting true-to-life colors that captivate. BrilliantColor enables up to six-color processing by incorporating the secondary colors Yellow, Cyan, and Magenta along with primary Red, Blue, and Green. From intense hues to elusive mid-tones like aqua blues and light yellows, your every presentation is rendered in pure, living splendor.

Specifications

Model	MW824ST
Projection System	DLP
Native Resolution	WXGA (1280 X 800)
Brightness* (ANSI Lumens)	3200 ANSI Lumens
Contrast Ratio	13000:1
Display Color	1.07 Billion Colors
Lens	F= 2.8, f = 7.51mm
Aspect Ratio	Native 16:10 (5 aspect ratio selectable)
Throw Ratio	0.52 (95" @ 1m)
Image Size (Diagonal)	Optimization 72"-152", Maximum 300"
Zoom Ratio	Fixed
Lamp Type	210W
Lamp Mode (Normal/Economic/SmartEco/LampSave/LumenCare)*	4000/5000/6500/10000/4000(with 2100 of constant brightness) hours
Keystone Adjustment	1D, Vertical \pm 30 degrees
Projection Offset	110% \pm 5%
Resolution Support	VGA (640 x 480) to UXGA (1600 x 1200)
Horizontal Frequency	15-102KHz
Vertical Scan Rate	23-120Hz
Interface	Computer in (D-sub 15pin) x 2 (Share with component) Monitor out (D-sub 15pin) x 1 Composite Video in (RCA) x 1 S-Video in (Mini DIN 4pin) x 1 HDMI x 1 (Share with MHL 1.2) Audio in (Mini Jack) x 2; Audio out (Mini Jack) x 1 Audio L/R in (RCA) x 1 Speaker x 1 (10W); USB (Type Mini B) x 1; RS232 (DB-9pin) x 1; LAN (RJ45) x 1

Dimensions (W x H x D mm)	287.3 x 114.4 x 232.6mm
HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Video Compatibility	NTSC, PAL, SECAM
3D Support and Compatibility	Frame Sequential: Up to 720p Frame Packing: Up to 1080p Side by Side: Up to 1080i/p Top Bottom: Up to 1080p
Weight	2.6kg (5.73bs)
Audible Noise (Normal/Economic Mode)	32/28 dBA (Normal/Economic mode)
Power Supply	AC100 to 240 V, 50 to 60 Hz
Power Consumption	Normal 270W, Eco 220W, Standby <0.5W
On-Screen Display Languages	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)
Picture Modes	Dynamic/Presentation/sRGB/Cinema/(3D)/User 1/User 2
Accessories (Standard)	Lens Cover Remote Control w/ Battery Power Cord (by region) User Manual CD Quick Start Guide Warranty Card (by region) VGA(D-sub 15pin) Cable VGA(D-sub 15pin) Cable
Accessories (Optional)	PointWrite; Spare Lamp Kit; Ceiling Mount; Wall Mount Carry bag; 3D Glasses
Warranty	Projector: 3 years Lamp: 12 months or 600 hours

*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice

Solution Technologies

Gauteng

Tel. 0861 795 795
Fax. 011-789-9574
Email. brite@soltech.co.za

Website. <http://www.soltech.co.za>

Cape Town

Tel. 021-683-0377
Fax. 021-683-0399
Email. cape@soltech.co.za