BenQ MX520

BenQ MX520 DLP Projector User Manual

Model: MX520

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your BenQ MX520 DLP Projector. Please read this manual thoroughly before using the projector and retain it for future reference.

Image 1.1: BenQ MX520 DLP Projector. This image displays the projector from a front-right angle, highlighting its compact design, the main projection lens, and the BenQ logo.

The BenQ MX520 is a DLP projector designed for various projection needs, offering 3000 ANSI lumens brightness, a 13000:1 contrast ratio, and XGA (1024x768) resolution. It supports multiple 3D formats and incorporates SmartEco Technology for optimized lamp life and power efficiency.

2. PRODUCT FEATURES

- **High Brightness and Contrast:** 3000 ANSI lumens and a 13000:1 contrast ratio for clear and vibrant images.
- **XGA Resolution:** Native 1024 x 768 resolution for detailed presentations.
- **SmartEco Technology:** Optimizes lamp power for energy savings and extended lamp life up to 6500 hours.
- **3D Ready:** Supports DLP Link 3D projection, including field-sequential, frame packing, top-and-bottom, and side-by-side 3D formats.
- **Filter-Free Design:** Reduces maintenance requirements by eliminating the need for filter cleaning or replacement.

- **Advanced Power Management:**
  - **Eco Blank Mode:** Allows blanking the screen to redirect audience focus or save power when not in use.
  - **No Source Detected Mode:** Automatically switches to Eco Blank Mode if no display source is detected for three minutes.
  - **0.5W Standby Power:** Minimizes power consumption when inactive.
  - **Auto Power Off:** Automatically powers off if no signal is detected for a set period.
  - **Signal Power On:** Automatically turns on the projector when an input signal is detected.
  - **Direct Power On:** Powers on automatically when connected to a power source.
- **Reduced Cooling Time:** Cooling time has been significantly reduced for quicker shutdown.
- **HDTV Compatibility:** Supports 480i, 480p, 576i, 576p, 720p, 1080i, 1080p.

3. SETUP

3.1 Unpacking and Placement

1. Carefully remove the projector and all accessories from the packaging.
2. Place the projector on a stable, flat surface in the desired projection area. Ensure adequate ventilation around the unit.
3. Avoid placing the projector in direct sunlight or near heat sources.

3.2 Connecting Power

- Connect the power cord to the projector's power inlet.
- Plug the other end of the power cord into a grounded electrical outlet.
- The power indicator light on the projector should illuminate.

3.3 Connecting Input Sources

The BenQ MX520 supports various input sources. Connect your device (e.g., computer, Blu-ray player) to the projector using the appropriate cable.

- **HDMI:** For high-definition digital video and audio.
- **VGA (D-Sub):** For analog computer signals.
- **S-Video:** For standard definition video.
- **Composite Video (RCA):** For standard definition video.
- **Audio In/Out:** For connecting external audio devices.
- **Mini USB:** For service or control purposes.

Note: For optimal picture quality with HDMI, use a High-Speed HDMI cable.

3.4 Image Adjustment

- **Zoom:** Adjust the zoom ring on the lens to achieve the desired image size on your screen.
- **Focus:** After adjusting the zoom, rotate the focus ring on the lens until the image appears sharp and clear.
- **Keystone Correction:** Use the projector's menu or dedicated buttons to correct any trapezoidal distortion if the projector is not perfectly perpendicular to the screen.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **Power On:** Press the power button on the projector or remote control. The lamp will take a moment to warm up before the image appears.
- **Power Off:** Press the power button again. The projector will enter a cooling cycle. Do not unplug the projector during this cycle. Wait for the cooling fan to stop before disconnecting power.

4.2 Input Source Selection

Use the "Source" button on the projector or remote control to cycle through available input sources (HDMI, VGA, S-Video, etc.) until your desired source is displayed.

4.3 SmartEco Modes

The BenQ MX520 features SmartEco Technology to optimize power consumption and extend lamp life:

- **SmartEco Mode:** Automatically adjusts lamp power based on content to deliver optimal brightness and contrast while maximizing energy savings.
- **Eco Blank Mode:** Activates a blank screen, reducing lamp power to 30% when the projector is not actively displaying content. This can be manually activated or automatically engaged if no source is detected.
- **No Source Detected Mode:** If the projector remains on for over three minutes without an active input signal, it will automatically switch to Eco Blank Mode to conserve energy.

4.4 3D Projection

To enjoy 3D content, ensure your source device is outputting a compatible 3D signal and you are using DLP Link compatible 3D glasses. Refer to your 3D source device's manual for specific setup instructions.

5. MAINTENANCE

5.1 Lamp Life

The projector lamp has an estimated life of up to 6500 hours, depending on usage mode. When the lamp reaches the end of its life, a warning message will appear, and the lamp indicator will illuminate. Refer to the service section for lamp replacement instructions (if applicable, or contact support).

5.2 Filter Maintenance

The BenQ MX520 features a filter-free design, eliminating the need for regular filter cleaning or replacement. This reduces ongoing maintenance costs and effort.

5.3 Lens Cleaning

To clean the projector lens:

1. Ensure the projector is turned off and cooled down.
2. Use a soft, lint-free lens cloth. Gently wipe the lens surface.
3. If the image appears blurred after cleaning, re-adjust the focus using the focus ring on the lens. Applying pressure during cleaning can temporarily shift the focus.

5.4 General Cleaning

Wipe the projector casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.

6. TROUBLESHOOTING

- **No Image Displayed:**
  - Ensure the projector is powered on and the lamp has warmed up.

- Verify that the input source cable is securely connected to both the projector and the source device.
  - Select the correct input source using the "Source" button.
  - Check if the source device is powered on and outputting a signal.

- **Blurred Image:**
  - Adjust the focus ring on the projector lens.
  - Ensure the projection surface is flat and the projector is at an appropriate distance.

- **Projector Shuts Down Unexpectedly:**
  - Check for proper ventilation; ensure vents are not blocked.
  - If the projector enters "No Source Detected Mode," it will go into Eco Blank mode. If no signal is detected for a longer period, it may auto power off.
  - Allow sufficient cooling time after shutdown before restarting.

- **Remote Control Not Working:**
  - Ensure there are no obstructions between the remote and the projector's IR receiver.
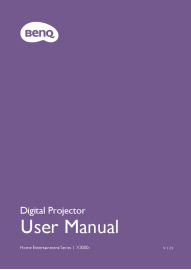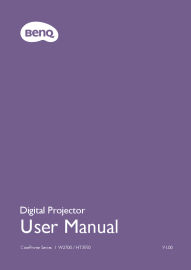 - Replace the batteries in the remote control.

7. SPECIFICATIONS

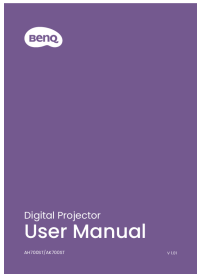| Model Number	MX520
Display Technology	DLP
Native Resolution	XGA (1024 x 768)
Brightness	3000 ANSI Lumens
Contrast Ratio	13000:1
Lamp Life (Normal/Eco/SmartEco)	Up to 6500 hours (SmartEco Mode)
Connectivity Technology	HDMI, VGA, S-Video, Composite Video, Audio In/Out, Mini USB
Special Features	3D-Ready, SmartEco Technology, Filter-Free Design
Product Dimensions (W x H x D)	11.3 x 4.5 x 9.2 inches (approx.)
Item Weight	5.3 pounds
Manufacturer	BenQ

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official BenQ website. Technical support and service contact information can also be found on the BenQ support pages.
For further assistance, please contact BenQ customer support.

Related Documents - MX520

BenQ SH915/SW916

BenQ SH915/SW916

BenQ MS616ST/MX618ST Digital Projector User Manual

Comprehensive user manual for BenQ MS616ST and MX618ST digital projectors, detailing setup, features, safety guidelines, operation, maintenance, and specifications for optimal use.

BenQ X3000i Digital Projector User Manual: Setup, Operation, and Maintenance

A comprehensive user manual for the BenQ X3000i Digital Projector, covering installation, operation, menu navigation, maintenance, troubleshooting, and technical specifications for home entertainment use.

BenQ CinePrime Series W2700/HT3550 4K Digital Projector User Manual

Comprehensive user manual for the BenQ CinePrime Series W2700/HT3550 4K digital projector, covering setup, operation, maintenance, troubleshooting, and specifications. Learn how to install, connect, and optimize your projector for the best viewing experience.

BenQ Digital Projector Quick Start Guide

A quick start guide for BenQ Digital Projectors LX820ST, LW820ST, LX820STD, and LW820STD, providing essential information on setup, specifications, safety, and installation.

[BenQ AH700ST/AK700ST Digital Projector User Manual](#)
A comprehensive guide to setting up, operating, and maintaining BenQ AH700ST and AK700ST digital projectors. Includes installation, connection, menu navigation, safety, troubleshooting, and specifications.