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3M MP225a

3M MP225a LCoS Portable Projector User Manual

Model: MP225a | Brand: 3M

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your 3M MP225a LCoS Portable Projector. Designed for portability and ease of use, this projector allows for large-screen viewing of content from various devices, making it ideal for presentations, entertainment, and sharing memories on the go.



The 3M MP225a projector is designed to be highly portable, fitting comfortably in the palm of your hand.

Your browser does not support the video tag.

Official product video demonstrating the 3M MP225a Mobile Projector's features and ease of use with various devices.

WHAT'S IN THE Box

Upon unboxing your 3M MP225a Portable Projector, please ensure all the following items are present:

- Projector
- Rechargeable battery

- Power adapter
- Quick Start Guide
- Product Safety Guide
- 3M Video Cable for connection to Apple products

PRODUCT FEATURES

The 3M MP225a Mobile Projector offers a range of features designed for convenience and versatility:

- Up to 2 hours of battery life per charge (or runs continuously on AC power).
- Projects a screen size of up to 80 inches diagonally, adaptable to various surfaces.
- Compatible with iPhone, iPod, iPad, iPad 2, laptops, and gaming devices (additional cable(s) sold separately).
- 32 lumens of brightness for clear projection in suitable lighting conditions.
- Audio out for connecting external speakers or headphones.
- Features an intuitive interface with familiar symbols for simple operation.
- Built-in stand for instant height adjustment, eliminating the need for external props.



The projector's lens and built-in stand for easy setup and image adjustment.

SETUP AND CONNECTIVITY

The 3M MP225a projector offers versatile connectivity options for a wide range of devices. Ensure the projector is charged or connected to the power adapter before use.

Connecting to Devices



Overview of the projector's input and output ports.

Device	Cable(s) Required	Functionality	How to Connect	Suggested Applications
PC, Laptops, Netbooks	3M VGA Cable (sold separately)	Mirror laptop display or use mobile projector as secondary display	<ol style="list-style-type: none"> 1. Connect VGA end of cable to laptop's VGA port 2. Connect VGA- A/V end to mobile projector 	Everything on device can be displayed on mobile projector
Apple MacBook	3M VGA Cable (sold separately) + Apple Mini DisplayPort to VGA Adapter (sold separately)	Mirror laptop display or use mobile projector as secondary display	<ol style="list-style-type: none"> 1. Connect Mini Display port end of Apple Mini DisplayPort adapter to MacBook 2. Connect 3M VGA Cable to Apple Mini DisplayPort Adapter 3. Connect VGA- A/V end of 3M VGA Cable to mobile projector 	Everything on device can be displayed on mobile projector

Device	Cable(s) Required	Functionality	How to Connect	Suggested Applications
iPad	3M Video Cable for connection to Apple products (included)	Video and photo slideshow in playback mode*	<ol style="list-style-type: none"> 1. Connect Dock Connector end of 3M Video Cable to iPad Dock Connector port 2. Connect VGA-A/V end of 3M Video Cable to mobile projector 	iOS Videos, YouTube®, Netflix®, iOS Photos
iPad 2	3M Video Cable for connection to Apple products (included)	Video and photo slideshow in playback mode*	<ol style="list-style-type: none"> 1. Connect Dock Connector end of 3M Video Cable to iPad 2 Dock Connector port 2. Connect VGA-A/V end of 3M Video Cable to mobile projector 	iOS Videos, YouTube, Netflix, iOS Photos
iPad 2	Apple VGA Adapter (sold separately) + 3M VGA Cable (sold separately)	Mirror iPad 2 display on mobile projector, including web browsing, e-mail, games and more + Video and photo slideshow in playback mode*	<ol style="list-style-type: none"> 1. Connect Dock Connector end of Apple VGA Adapter to iPad 2 Dock Connector 2. Connect 3M VGA Cable to Apple VGA Adapter 3. Connect VGA-A/V end of 3M VGA Cable to mobile projector 	Most content on device can be displayed on mobile projector**
iPhone	3M Video Cable for connection to Apple products (included)	Video and photo slideshow in playback mode*	<ol style="list-style-type: none"> 1. Connect Dock Connector end of 3M Video Cable to iPhone Dock Connector port 2. Connect VGA-A/V end of 3M Video Cable to mobile projector 	iOS Videos, YouTube®, Netflix®, iOS Photos

Device	Cable(s) Required	Functionality	How to Connect	Suggested Applications
iPod Touch	3M Video Cable for connection to Apple products (included)	Video and photo slideshow in playback mode*	<ol style="list-style-type: none"> 1. Connect Dock Connector end of 3M Video Cable to iPhone Dock Connector port 2. Connect VGA-A/V end of 3M Video Cable to mobile projector 	iOS Videos, YouTube®, Netflix®, iOS Photos
Camcorders & Cameras	3M Composite Cable (sold separately) + Device Supplied RCA cable (please refer to device owner's manual)	View camcorder or camera video output on the mobile projector	<ol style="list-style-type: none"> 1. Connect device RCA cable to device video out port 2. Connect 3M Composite Cable RCA plugs (white, red, and yellow) to device RCA cable 3. Connect VGA-A/V end of 3M Composite Cable to mobile projector 	Everything on device can be displayed on mobile projector
Video Game Systems	3M Composite Cable (sold separately) + Device Supplied RCA cable (please refer to device owner's manual)	Play video game system using projector as display	<ol style="list-style-type: none"> 1. Connect device RCA cable to device video out port 2. Connect 3M Composite Cable RCA plugs (white, red, and yellow) to device RCA cable 3. Connect VGA-A/V end of 3M Composite Cable to mobile projector 	Everything on device can be displayed on mobile projector

* Photos will not display on the mobile projector in photo browse mode. Non-copyright protected video, office documents, PDFs and presentations will display in play mode. Compatibility, or what the user will see projected, can vary by device type and what format the device manufacture outputs video.

** Select applications may not support video output to the mobile projector. Check with individual application developer for more information.

OPERATING YOUR PROJECTOR

Familiarize yourself with the projector's controls for optimal use.



The intuitive control pad on the projector's top surface.

Power On/Off

- To power on, press and hold the **Power button** (center button on the control pad) until the projector light turns on.
- To power off, press and hold the **Power button** again until the light turns off.

Adjusting Volume

- Use the **Volume Up (+)** and **Volume Down (-)** buttons on the control pad to adjust the internal speaker volume.
- For enhanced audio, connect external speakers or headphones to the audio out port.

Focusing the Image

- Locate the focus wheel near the projector lens.
- Rotate the focus wheel until the projected image appears clear and sharp on your chosen surface.

Adjusting Screen Size and Position

- The projector can display an image from 10 to 80 inches diagonally. Adjust the distance between the projector and the projection surface to achieve the desired screen size.
- Utilize the built-in stand on the bottom of the projector to adjust the vertical angle and height of the projected image. Simply flip it open for instant adjustment.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your 3M MP225a Portable Projector.

Cleaning

- Gently wipe the exterior of the projector with a soft, dry cloth.
- For the lens, use a lens cleaning cloth or a soft, lint-free cloth specifically designed for optical surfaces. Avoid abrasive materials or harsh chemicals.
- Ensure the ventilation grilles are free from dust and debris to prevent overheating.

Battery Care

- To maximize battery life, fully charge the projector before extended use.
- If storing the projector for a long period, charge the battery to approximately 50% to prevent deep discharge.
- The rechargeable battery can be removed for replacement if needed. Refer to the diagram below for removal instructions.



Instructions for battery removal from the back of the projector.

TROUBLESHOOTING

If you encounter issues with your projector, refer to the common problems and solutions below:

No Image Projected

- Ensure the projector is powered on and fully charged or connected to AC power.
- Verify that the video cable is securely connected to both the projector and the source device.
- Check the source device's display settings to ensure it is configured to output to an external display.
- Confirm that the correct input source is selected on the projector (if applicable, though this model is generally plug-and-play for detected inputs).

Dim or Unclear Image

- Adjust the focus wheel on the projector until the image is sharp.

- Ensure the room is sufficiently dark, as the projector's brightness (32 lumens) is optimized for low-light environments.
- Check the projection distance; moving closer to the surface will result in a brighter, smaller image.

No Audio

- Increase the volume using the projector's volume buttons.
- Ensure the volume on your source device is not muted or set too low.
- If using external speakers, verify they are properly connected and powered on.

SPECIFICATIONS

Detailed technical specifications for the 3M MP225a LCoS Portable Projector:

Attribute	Value
Manufacturer	3M Projectors
Brand	3M
Item Weight	10.4 ounces
Product Dimensions	5.9 x 2.5 x 1.2 inches
Item Model Number	MP225a
Batteries	1 Lithium Ion batteries required (included)
Color	White/red
Brightness Rating	32 lumen
Manufacturer Part Number	MP225a
Connectivity Technology	Display Port
Display Resolution	1920 x 1080
Recommended Uses For Product	giving presentations, watching movies, playing games
Special Feature	speakers

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your 3M MP225a Portable Projector, please refer to the Product Safety Guide included in your package or visit the official 3M website. Keep your proof of purchase for warranty claims.

Legal Disclaimer: No Refunds accepted.

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