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Warnings

*Do not operate the Projector in direct sunlight or near heat sources such as heaters, fires, and stoves as this may cause a fire hazard.

*Do not operate the projector close to sources of steam or oil such as a humidifier as this may cause electric shock.

*Do not operate the projector near water such as by the sink or bathtub as this may cause electric shock.

*Do not block or restrict airflow from ventilation holes as this may cause the projector to overheat.

*Do not place inflammable materials beside the projector as this may cause a fire hazard.

*Do not drop the projector or allow heavy impacts or shock as this will damage the projector.

Projector
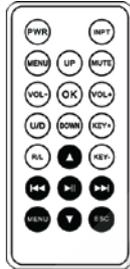
Remote Control

Tripod
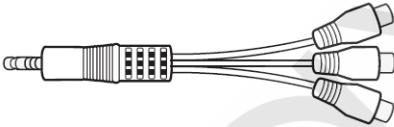
Composite A/V Cable
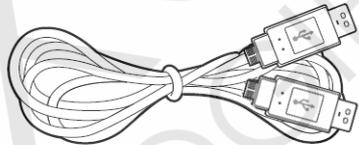

USB Cable
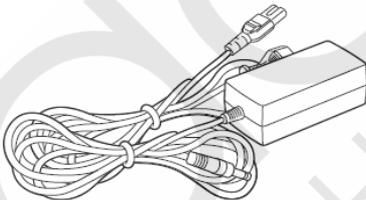
Power Cord
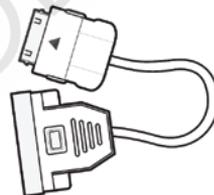
VGA Cable

Product Overview

Projection Lens

Focus Adjustment

Keypad Controls

Power Button

VGA Input

A/V Input

Headphone/ Speaker Out

USB Input

SD-HC Reader

Power Input

HDMI Input

Navigation Buttons
(Play = Select/Enter)

Exit/Back
(Quick Press)

Open Menu
(Long Press)

Source Select

Power On/Off

Power On/Off — **PWR**

INPT — **Select Source**

Display Settings Menu — **MENU**

UP

MUTE — **Mute Sound**

System Navigation &
Volume Controls — **VOL-** **OK** **VOL+**

Flip Vertical Image — **U/D** **DOWN** **KEY+** — **Adjust Vertical Keystone**

Flip Horizontal Image — **R/L** ▲ **KEY-** — **PMP Volume Up**

PMP Menu Navigation

Media Player Menu — **MENU** ▼ **ESC** — **PMP Volume Down**

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General Operation

Turning on the projector
To turn on the projector first plug the power supply into a suitable wall outlet and to the rear of the projector. Then power the projector on by holding the power button for 3 seconds until the optical engine turns on.

Shutting down the projector
To shut down the projector, press and hold the power button for 3 sec. The optical engine should shut off and the fan should stop spinning.

Adjusting focus
To adjust the focus, spin the focus wheel up or down until the image becomes clear. The recommended focus distance for this projector is 18" to infinity.

Projection lens
The projection lens emits the image from the projector. Make sure there is nothing obstructing the lens to obtain a clear image.

Keypad Controls
Use the keypad control buttons to navigate through each menu. The control panel behaves differently in each submenu. Controls for submenus are explained later in this manual.

Accessing the Onboard Memory

The M2 Micro Projector includes 1GB of
onboard memory. To access this memory,
connect a USB cable from your computer
to the back of the projector in the slot that
reads "USB". A folder will appear on your
computer screen after the projector is
detected. You can store any type of supported photos, video and/or files in
this folder to view.
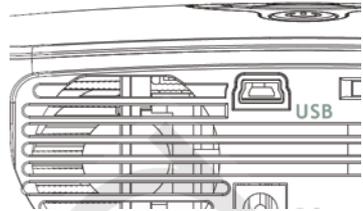
Note: If your computer fails to detect the projector, check to make sure the
cable is securely inserted on both sides. If you're still unable to view the
folder, please consult with your operating system's owner manual.

Accessing a SD Memory Card

Multimedia file can also be accessed via
an SD memory card. To access your SD
card, insert it into the back of the projector
in the slot that reads "SD". Once your SD
card has been inserted, you can navigate
through the main menu to select what you
want to view under each submenu.
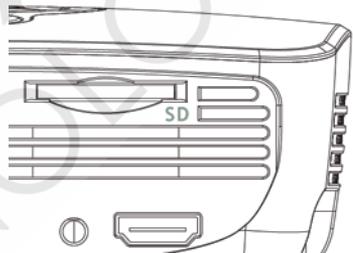
*Review the Specifications section of this manual to read about supported file
formats.

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Accessing a USB Storage Device

In addition to data transfer with the onboard memory, the M2 has the ability to read data from a USB storage devices (such as memory sticks, cell phones, USB hard drives, etc). This allows the user to view the data stored on the USB storage device through the onboard media player.

To access data on your USB storage device, plug your USB device into the USB slot on the back of the M2. **The supplied mini USB adapter cable may be required for some USB thumbdrives.** Once the connection is made, select USB Host Mode in one of the PMP media players submenus (Videos, Photos, etc). After selecting USB Host Mode you should now be able to access the data on the USB device through the onboard media player. If the data does not appear, check the formating of the file system on the USB device and also confirm that the device is compatible with a USB On-The-Go host device.

The M2 micro projector can be toggled to accept different types of inputs. This includes VGA (Mini VGA), HDMI and Composite Video (3.5mm jack). To toggle through the sources, press the far right button 🔲 on touchpad or the input button (INPT) on the remote control to select the appropriate source.
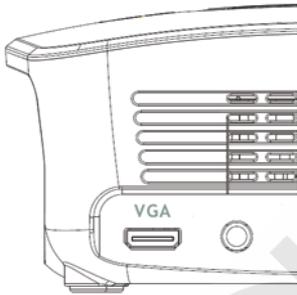
To Connect to a VGA Source

The projector can accept a VGA input signal. Connect the VGA cable to your source and the other end should be inserted in the slot on the side of the projector that reads 'VGA'. Toggle through the input sources and once you select VGA input, your display should appear.

Important: Be sure to setup the computer to enable a video signal output. On some laptops this is done by pressing and holding Function F5 Key. If using the M2 as an external monitor on Windows based systems, this can be done by selecting "extend my desktop to this monitor". The native resolution of the M2 projector is XGA (1024 x 768) and it accepts up to a 1600x1200 signal. Depending on the video driver different resolutions many need to be selected for proper output.

Note: Each computer system is different - please check with your owner's manual for how to properly output video signals. Some Apple computers may requre a DVI to VGA adapter.

To Connect to a Composite Video Source
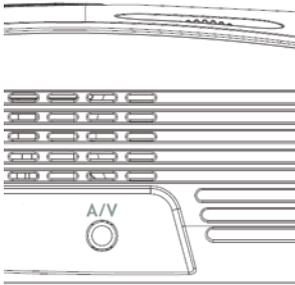
The projector can accept a compositive video signal. This signal is comes through the 3.5mm composite A/V cable. Connect the composite A/V able to the projector and the other end into the video source. Toggle through the input sources and once you select AV input, your display should appear.

To Connect to an HDMI Source
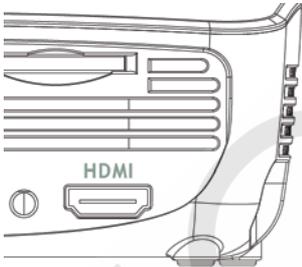
The projector can accept a digital HDMI input signal. This is done by connecting the HDMI cable to the HDMI input port of the projector. Toggle through the input sources and once you select HDMI input, your display should appear. The M2 accepts up to a HDMI 1.2 signal.

The M2 projector features a built-in PMP (Portable Media Player) function. This function allows the projector to play videos, pictures, music files, and text. To access the Main Menu, simply turn on the projector. The screen displayed below will appear. To navigate through the Main Menu, follow these directions:

- Scroll left/right by pressing the rewind/fastforward ⏮ ⏭ buttons.
- To **select a submenu,** highlight the desired submenu and press the Play/Pause button ⏯ located in the middle of the keypad or remote.
- To **go back to the previous page** while in a submenu, press the (**M**) button on the far left of the keypad or the menu button 🔘 on the remote.

Note: If the projector starts in VGA, HDMI or A/V mode, simply press the far right button on the control panel to toggle through the input sources until you see the picture displayed above. The projector will turn on with the input source that was previously selected before shutting down. To read more about input sources, please review out Input Selection section in this manual.

PMP System - Videos

The M2 micro projector's PMP system supports direct playback of a wide variety of video formats. To access videos in memory, a SD Card, or an USB storage device, first select the "Videos" item in the main menu:

Once in the Videos menu, there are three items that can be selected to access the device on which videos files are stored:
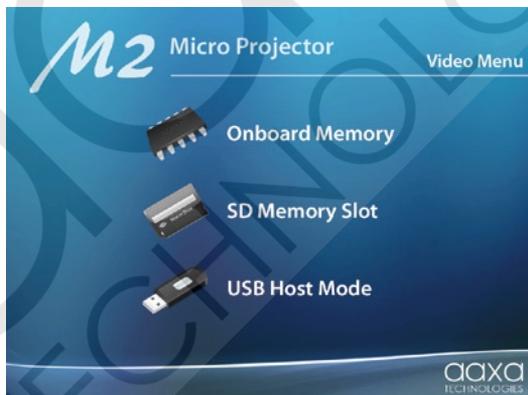
Playing Videos

- To **play/pause** a video, press the play button button ▶️ in the middle of the keypad or remote control.

- To **rewind**, press and hold the left arrow ⏪ button .

- To **fast-forward**, press and hold the right arrow ⏩ button .

- To **jump forward** to the next video, press the right arrow ⏩ button.

- To **jump back** to the prior video, press the left arrow ⏪ button .

- To **adjust the volume**, press Vol+ (🔼 on the remote) to increase and Vol- (🔽 on the remote) to decrease the volume.

Note: If the video is large, please allow the projector a moment to process the file. If the after a few minutes the projector does not play a video, it means the file is not compatible.

Video Settings Menu

To access the Video Settings Menu, press and hold down the Menu button (**M**) on the keypad or at the bottom of the remote 🔘 MENU . The options are:

Play Mode - Adjusts how the video player loops single or multiple tracks

Zoom - Adjusts how the video is placed within the screen

File Info - Provides detailed information about the current video file

Vision Effect - Adjusts the sharpness of the video image

Subtitle Display - Turns on/off subtitle display during video playback

Subtitle List - Displays a list of available subtitle files

*Review Specifications section of this manual for supported video formats.

PMP System - Photos

The M2 micro projector's PMP system supports direct playback of a wide variety of image formats. To access photos in memory, a SD Card, or an USB storage device, first select the "Photos" item in the main menu:

Once in the Photos menu, there are three items that can be selected to access the device on which image files are stored:
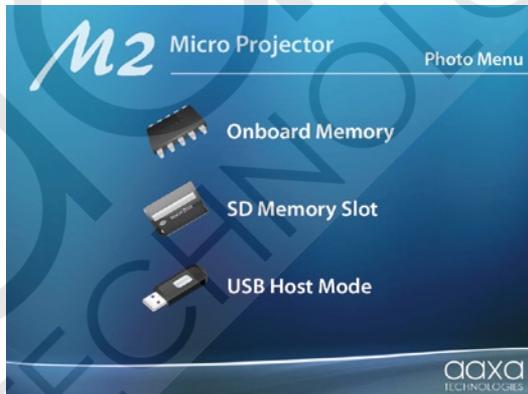
Viewing Pictures

The M2 Micro Projector allows you to view pictures individually or in a slide-show. To view individual photos, select the file you want to view in the file menu for the particular storage device on which the image file is stored. You can press the arrow buttons 🔘🔘 on the touchpad or remote to flip through the pictures you have in the present folder.

Viewing Pictures in a Slideshow

To view your pictures in a slideshow, select a file and press Play when the picture appears, 🔘 will appear in the middle of the screen, which notifies you that the slideshow has started.

Photo Settings Menu

To access the Photo Settings Menu, press and hold down the Menu button on the keypad (**M**) or at the bottom of the remote 🔘. The options available are:

Time Slot - Adjusts how quickly the slideshow transitions to the next file
Switch Mode - Changes the transition animation between photos
Sequence - Adjusts the order in which photos are displayed
Image Info - Provides detailed information about the current image file
Zoom - Adjust the size and placement of the image on the screen
**Rotate** - Changes the vertical and horizontal orientation of the image

*Review Specifications section of this manual for supported image file for-mats.

PMP System - Music

The M2 micro projector's PMP system supports direct playback of a wide variety of music formats. To access music in memory, a SD Card, or an USB storage device, first select the "Music" item in the main menu:

Once in the Music menu, there are three items that can be selected to access the device on which music files are stored and two items for playback options:

Listening to Music

The M2 Micro Projector allows you to playback music as singles or in sequence. To begin music playback, select the file you want to play in the file menu for the particular storage device on which the music file is stored.

- To **play/pause** a song, press center button ⏯ of the touchpad or remote.
- To **rewind**, press and hold the left arrow ⏪ button.
- To **fast-forward**, press and hold the right arrow ⏩ button.
- To **jump forward** to the next track, press the right arrow ⏩ button.
- To **jump back** to the prior track, press the left arrow ⏪ button.
- To **adjust volume**, press Vol+ (▲ on the remote) to increase and Vol- (▼ on the remote) to decrease the volume.

Music Settings Menu

To access the Music Settings Menu, press and hold down the Menu button on the keypad (**M**) or at the bottom of the remote 🔘. The options are:

Play Mode - Changes the sequence or repeat mode of playback

Speed - Changes the speed of playback

Live Sound - Adjusts the tone of the music

Show Mode - Adjust the format of text lyrics (if available)

On Text Color - Changes the active text color

Off Text Color - Changes the inactive text color

File Info - Provides detailed information about the current music file

*Review Specifications section of this manual for supported music file formats.

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Library

The music library can be accessed through the Music Menu. This library sorts all your music by artist, album, genre, star, year and all items. To access your library, follow the directions below:

- Select Music from the main menu
- Select Library from the music menu
- Select which category you want to search your song
- Select the file you want to play

Last Track

The Last Track item in the music menu will play the most recent track that was in progress before you shut off your projector. To access this icon, follow the same directions for "Library" but click instead on "Last Track" instead for the second step.

The M2 micro projector's PMP system supports direct playback of written text from pages of an ebook or text file. To access eBooks in memory, a SD Card, or an USB storage device, first select the "eBooks" item in the main menu:

Once in the eBooks menu, there are three items that can be selected to access the device where text files are stored (Note: eBook files must be in .txt format).
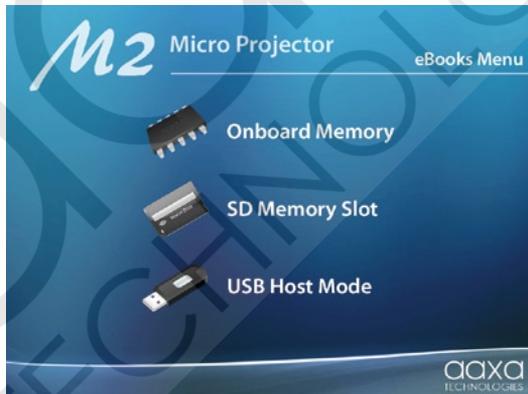
Reading eBooks

The controls for ebooks is different from the other onboard programs. Please follow the directions below to better understand how to use ebooks with the M2.

- To go to the **next page**, press the Vol- button (⬇ on the remote).
- To go to the **previous page**, press the Vol+ button (⬆ on the remote).
- To **exit the book** and go back to the previous menu, press the (**M**) button on the far left of the control panel or MENU at the bottom of the remote.

Note: When you exit your ebook, the projector will "bookmark" the page you left off on. The next time you select the same book to read, the system will ask if you want to continue from your last page. Select Yes to start where you left off, select No to start from the beginning of the ebook.

eBooks Settings Menu

To access the eBooks Settings Menu, press and hold down the Menu button on the keypad (**M**) or at the bottom of the remote MENU. The options are:

Add Bookmark - Creates a bookmark on the current page

Open Bookmark - Access and open bookmarks in the current file

Font - Changes the font size

Color - Select the color of the text on screen

Transition - Turns on/off slide transitions between pages

Rotate - Changes the orientation of the page on screen

Browse Speed - Adjusts the speed of page changes when browsing

Background - Changes the background image behind the page text

The M2 micro projector's PMP system lets you play games through the projector. To access games in memory, a SD Card, or an USB storage device, first select the "Games" item in the main menu:

Once in the Games menu, there are three items that can be selected to access the device on which games are stored:
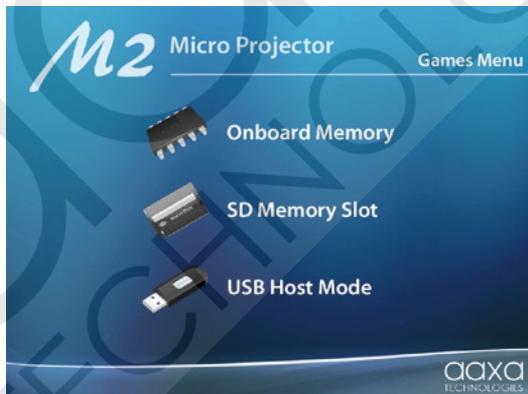
There are three pre-uploaded games in the projector for your entertainment - Chess, Pick Block and Russia Block. Other games can be added to the onboard memory and you can also play games saved on a SD card or USB device.

*Unfortunately new games are currently unavailable for purchase

Chess Game
After selecting Chess Game from the game menu, you will be shown the following four options before starting your game:

- **New Game:** Select to start a new game
- **Level Setting:** Select to set the difficulty of the computer
- **Mode Setting:** Select to set if you or the computer makes the first move in the game. Also a choice for two player mode.
- **Exit:** Select to go back to game menu

Chess Game Controls
- To **move up,** press the Vol+ button (▲ on the remote).
- To **move down**, press the Vol- button (▼ on the remote).
- To **move left**, press the left arrow/rewind ◄◄ button.
- To **move right**, press the right arrow/fasforward ►► button.
- To **put down a stone**, press the play/pause ►❙❙ button.

Pic Block

After selecting Pick Block from the game menu, you will be shown the following four options before starting your game:

- **New Game:** Select to start a new game
- **Level Setting:** Select to set the diffculty of the puzzle, from 9 to 49 blocks
- **Select Picture:** Select from five different puzzles to unscramble.
- **Exit:** Select to go back to game menu

The goal to this game is to unscramble the scrambled picture by moving pieces of the puzzle into the right position to form a complete picture. For experienced players, try playing this game on maximum difficulty.

Pick Block Controls

- To **move up**, press the Vol+ button (▲ on the remote).
- To **move down**, press the Vol- button (▼ on the remote).
- To **move left**, press the left arrow/rewind ◄◄ button.
- To **move right**, press the right arrow/fasforward ►► button.

Note: Which block will move depends on where the blank space is on the board.

Russia Block

After selecting Russia Block from the game menu, you will be shown the
following four options before starting your game:

- New Game: Select to start a new game
- Level Setting: Select to set the diffculty of the game
- Exit: Select to go back to game menu

Russia Block Controls

- To rotate piece, press the Vol+ button (▲ on the remote).
- To move piece left, press the left arrow/rewind ⏮ button
- To move piece right, press the right arrow/fastforward ⏭ button
- To quickly drop piece, press and hold the Vol- button (▼ on the remote).

The Settings Menu can be accessed by selecting "Settings" on the main menu.

Once in the Settings menu, there are four items that can be selected to adjust the basic PMP system settings:

Key Sound Effect

The key tone is the subtle "beep" your projector makes each time you press a button within the menu and submenus. To turn this sound on/off, select Key Sound Effect from the Settings Menu. From there you will have the option to change your preference.

Menu Language

The projector allows you to choose from three different languages - Chinese, English and Simplified Chinese. To select your desired language, sellect Menu Language from the Settings Menu. From there you will be able to select which language you want by highlighting and then pressing the play/pause button.

System Info

When this icon is selected, the projector will display the following system information - Software Version, Udisk Memory and Udisk Free (available Udisk memory). To access this icon, select System Info from the Settings Menu.

Reset

When this icon is selected from the Settings Menu, it will prompt you if you want to reset the projector to the manufacturer default. Select 'Yes' to reset, select 'No' to keep current setting.

THE PROJECTOR DOES NOT TURN ON

Possible Causes
There is no power

Solution
Check to ensure the power outlet or battery source is good. Check the power adapter to ensure a proper connection with the wall outlet as well as the projector. Confirm that the unit is charged and has enough power.

NO PICTURE / FILE NOT SUPPORTED

Possible Causes
The video source is not properly connected or selected

Solution
Check the video source signal to ensure that it is properly connected. Select the correct input source by choosing the input desired from the main menu.

Incorrect file extension / Video is encoded with incorrect codec

Please refer to "Specifications" page to see which file types and codecs are supported. Verify that the file was encoded properly.

IMAGE IS BLURRED

Possible Causes
The projector is not in focus

Solution
Adjust the focus with the focus adjustment dial until the image comes into focus.

Image appears stretched when connected to an external device

Verify the output setting on device is configured to 4:3 aspect ratio

Specifications

Brightness:	**110 ANSI-Lumen**
Resolution:	**XGA (1024x768)**
Contrast Ratio:	**2000:1**
Noise:	**<30 dB**
Projection Lens:	**Manual Focus**
Image Size:	**10 ~ 100 inches**
Lamp:	**15,000 hour RGB Triple LEDs**
Video In:	**Composite A/V**
	VGA (mini-VGA)
	HDMI 1.2 (mini-HDMI)
Audio Output:	**1.5 W stereo speakers**
	3.5 mm audio jack
Storage Capacity:	**1 GB Flash**
	SD Card: SD-HC Card Slot
	(16GB maximum)
USB:	**USB OTG (On-the-Go)**
	(Memory Sticks)
	USB Data Transfer
Dimensions:	**132x125x47mm**
Weight:	**1.0lbs**

Supported File Formats:

AVI, MPG, MP4, MKV, MP3, WAV, RMVB, RM, JPG, TXT