

# M1 Ultimate Micro Projector

## USER MANUAL

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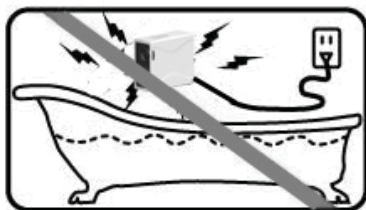
# Warnings

\*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.



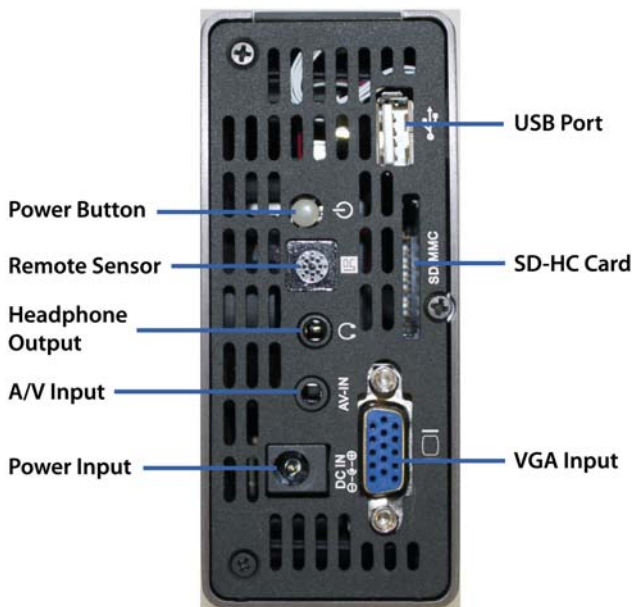
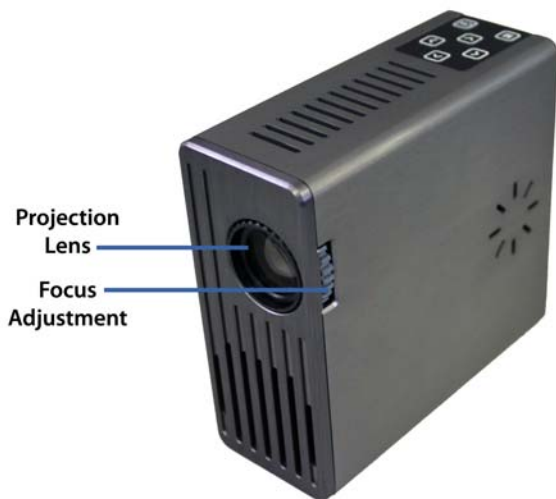
\*Do not block or restrict airflow from ventilation holes as this may cause the projector to overheat.

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



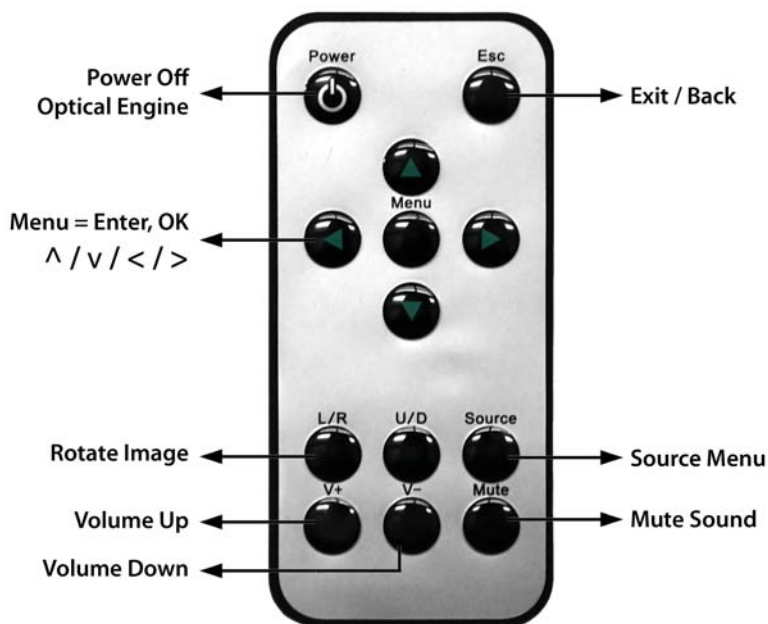
\*Do not drop the projector or allow heavy impacts or shock as this will damage the projector.

# Overview



# Remote Control & Keypad Functions

## Remote Control



## Keypad



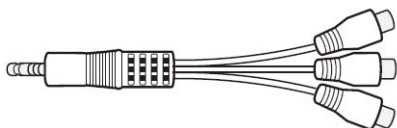
# Packing List



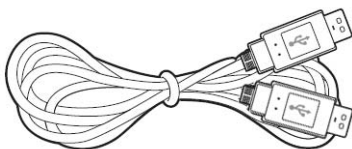
Projector



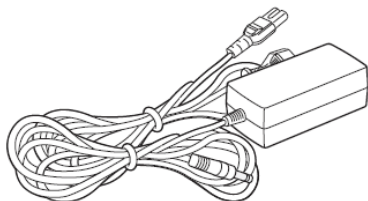
Remote Control



A/V Cable



USB Cable



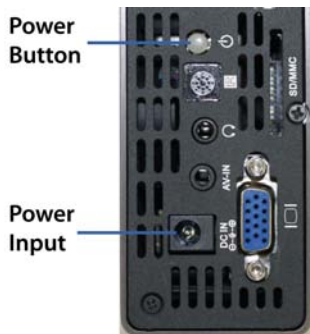
Power Cord



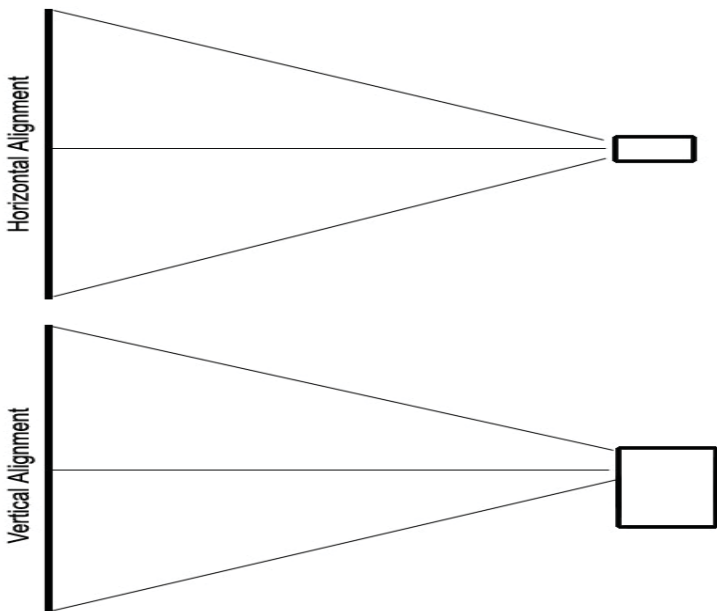
Tripod

# General Operation

**Startup and Shutdown** – To startup, connect the power supply or external battery to the rear power receptacle. Press and hold the power button for 3 seconds until the welcome logo appears. To shutdown hold the power button for 3 seconds until optical engine turns off.



**Positioning** – Position the projector at an even plane and a right angle to the desired image. If the projector is not at a right angle or on an even plane the projected image will appear distorted.



# General Operation

**Focus Adjustment / Throw Distance** – The focus can be adjusted by turning the wheel located at the front of the projector. The projector is capable of the following throw and focus distances:



Diagonal size (inch)	Diagonal size (mm)	Vertical size (mm)	Horizontal size (mm)	Throw distance (mm)
30	762	457	610	1250
40	1016	610	813	1666
50	1270	762	1016	2083
60	1524	914	1219	2499
70	1778	1067	1422	2916
80	2032	1219	1626	3332
90	2286	1372	1829	3749
100	2540	1524	2032	4166



# General Operation

## Connecting to a VGA / Computer input

The projector can accept a 15-pin RGB input source from a laptop's external monitor port or graphics card. This source is connected through the 15-pin "VGA" port on the back of the projector.



Attach VGA Cable Here

To connect a VGA cable, plug the VGA cable into the back of the projector. Then select the "VGA PC" option in the Main Menu. This will enable the projector to receive VGA signals.

Important: Be sure to setup the computer to enable video signal output. If using the M1 as an external monitor on Windows based systems, this can be done by selecting "extend my desktop to this monitor." Note: Each computer system is different – please check with your owner's manual for how to properly output video signals. Some Apple computers may require a DVI to VGA adapter.

Accepted Display Resolutions:

800x600 (native / optimal)

1024x720

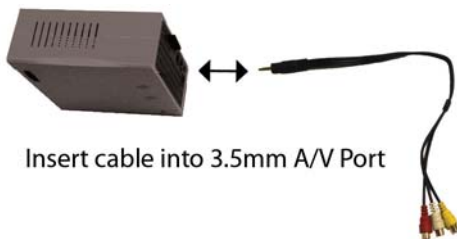
1280x800

**Connecting an Audio/Video input source** - The Projector can accept different A/V (Audio/Video) sources through the A/V port. These sources are connected through a 3.5mm A/V cable.

Max Supported Resolutions:

NTSC: 720x480

PAL: 720x576



Insert cable into 3.5mm A/V Port

# General Operation

To connect an A/V cable insert the 3.5mm portion into the A/V port of the projector. Then click on either the "A/V input" icon in the main menu, or press "source" on the remote control and select "A/V input". A blue screen will appear and the Projector will be ready to accept an A/V signal.

FROM MAIN MENU



Possible A/V sources: Composite (included), Iphone / Ipod (optional), Zune (optional), Playstation Portable (optional), and others. Please check [www.aaxatech.com](http://www.aaxatech.com) or your AAXA dealer for optional A/V cables.



Playstation Portable  
(PSP) Cable



iPod / iPhone  
Cable



Zune Cable

Also Available:

HTC Smartphones

Samsung and LG  
Smartphones

Nokia N-Series

## USB Data Access and Transfers

The M1 projector includes 1GB of onboard memory for storage and can function as a USB Host device. For instructions on how to access the onboard memory and connect USB devices to the projector, please refer to the USB On-The-Go & Data Transfer instructions on page 13.



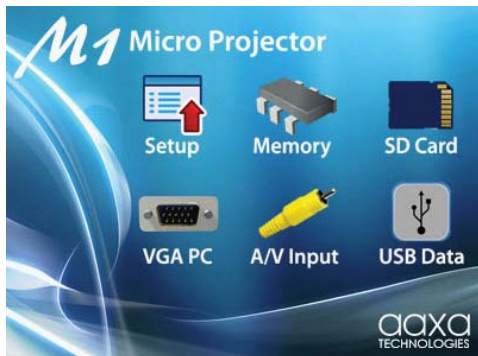
# Onboard Media Player

The Onboard Media Player (OMP) plays and supports the following files: Mpeg 4, Mpeg 3, AVI, Jpeg, TXT, Real Media (RMV / RM). For supported video formats please see the “specifications” section in this manual.

Pictures and videos can be accessed via an SD memory card, USB storage device, or directly from the flash memory.

To access files stored on the SD memory card first insert the SD memory card in the SD card slot located on the back of the projector.

Power on the projector and select “SD Card”. The SD Card submenu will appear.



# Onboard Media Player

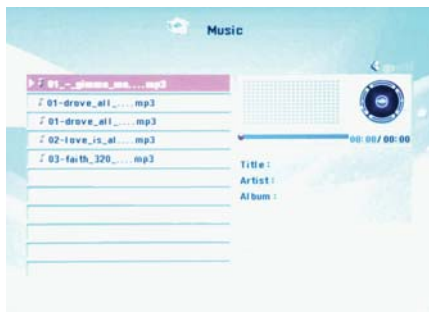
**Viewing Photos** – To view photos click on the “Photos” icon submenu. This will display all photos available on the SD Card. Select and click on a photo to display photos in the slideshow mode. While in slideshow mode you can scroll through slides by pressing the left or right buttons on the remote control. By pressing the menu button on the remote control you will bring up the control menu. Control menu functions include: **Previous picture, Pause / Play, Next Picture, Stop / Exit, Zoom, Rotate, and Image Adjustment.**



## Image Adjustment

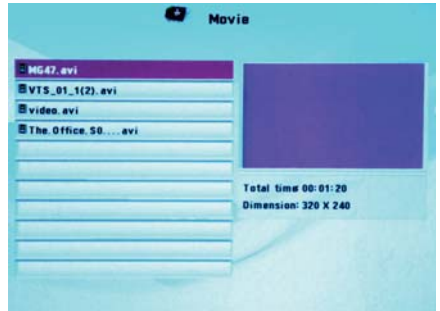
The Image adjustment menu allows the adjustment of Brightness, Contrast, and Color. The adjustment is on a scale of and can be adjusted both through the adjustment menu or directly through the settings menu under LCD Adjustment.

**Listening to Music** – To listen to music click on the “Music” icon in the submenu. Select the music file from the list. To adjust volume use the volume buttons. To skip to another track press the right or left buttons on the remote control, or access the control menu by pressing the “menu” button on the remote control. The Control Menu functions include: **Previous Track, Next Track, Pause / Play, Stop / Exit.**



# Onboard Media Player

**Playing Videos** – To play videos click on the “Video” icon in the submenu. Select a video file from the list. If the video is large please allow a few moments for the projector to process the file. If after a few minutes the projector does not recover from highlighting or trying to play a video, the video is not compatible. Remove any non-compatible videos from the video from the SD Card. When playing the video you can select the previous or next video by pressing the left or right buttons on the remote control. Volume is controlled by the “V+” and “V-” buttons. The video control menu can be accessed by pressing the “menu” button. The Video control menu allows the selection of: **previous or next video, fast forward or rewind (4x, 8x, 16x), Play / Pause, Stop / Exit, and Image Adjustment.**



**File Menu** – The file menu allows deletion or copying of files to the onboard memory. To enter the file menu click on the “File” icon in the submenu. Select a file from the list. To delete the file select “delete”. To copy the file to the onboard memory select “copy”.



# USB On-The-Go & Data Transfer

## USB On-The-Go

The M1 Ultimate has the ability to read data from a USB storage device (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 M1.

Once the connection is made, select USB Mode from the main menu and the USB Host icon in the USB menu data will be available. After selecting USB Host 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 formatting of the file system on the USB device and also confirm that the device is compatible with a USB On-The-Go host device.



## USB Data Transfer

The M1 projector includes 1GB of onboard memory for storage. To access this memory connect a USB cable to the back of the projector and a computer. Then select USB Mode in the main menu and USB Device in the USB menu.



The computer should auto-detect the connected projector and its onboard memory as a "flash drive." Double-click the drive to open the drive contents and manipulate as a standard USB flash drive.

**NOTE:** If the computer fails to detect the flash drive, check to make sure the projector is in USB-Data mode and do a search for new devices. If still unable to find the drive, please consult with your operating system's owner manual regarding detecting flash drives.

# Settings Menu

The Settings Menu can be accessed by clicking on the “Settings” icon in the main menu.

**Slide Show Settings** – The slide show settings allows the user to change the speed, transition style, and display mode of the slide show. “Fit to screen” or “actual size” can also be selected. When “fit to screen” is selected, file sizes will be compressed or enlarged to the native resolution of the projector which is 800x600. Pictures may become distorted when compressed or enlarged. “Actual size” will display pictures in their actual resolution. For example a 400x300 picture will occupy approximately 25% of the area of an 800x600 picture.

**Keystone Adjustment** – The Keystone feature allows the user to adjust the image when the projector is not placed perpendicular to the horizontal centerline of the screen (angled up or down) which skews the output image, thereby making it trapezoidal. Only vertical keystone is available at this time. Use the “Left” and “Right” arrows on the remote to adjust the screen.  
NOTE: This is a software function and does not change the optical image.

**Screen Saver** – The screen saver setting allows adjustment of the screen saver background. Choices include a moving logo or the slide show.

**About** – Projector information

**Default** – Reset to default settings



# Troubleshooting

## THE PROJECTOR DOES NOT TURN ON

Possible Causes	Solution
There is no power	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.
The projector is in the shut-down cooling cycle	Wait until the projector has fully cooled to restart

## NO PICTURE

Possible Causes	Solution
The video source is not properly connected	Check the video source signal to ensure that it is properly connected
The correct input source has not been selected	Select the correct input source by pressing the Source key on the remote.

## IMAGE IS BLURRED

Possible Causes	Solution
The Projector is not in focus	Adjust the focus with the focus adjustment dial until the image comes into focus
The Projector is offset from plane / angle of operation	Move the projector so that it is at both 180 degrees and on an even plane with the screen. Please see Page 9

## SD CARD IS NOT RECOGNIZED

Possible Causes	Solution
SD Card is not inserted properly	Re-insert SD Card
SD Card is damaged	Replace SD Card

## REMOTE CONTROL DOES NOT WORK

Possible Causes	Solution
The remote control battery is dead	Replace the battery with comparable CR2025 battery



# Specifications

## PROJECTION SYSTEM

Native Resolution:	SVGA (800x600)
Brightness:	75 ANSI-Lumens
Contrast Ratio:	1000:1
Noise:	<20 dBA
Projection Lens:	Manual Focus
Projection Image:	Available Size 9 ~ 100 inch
Lamp:	Single Chip White LED 15,000 Hours
Projection Angle:	33.6
Keystone Correction:	Digital Adjustment (Vertical)

## GENERAL SPECIFICATIONS

Audio Output:	Onboard 1W speaker Speaker/headphone jack
Color:	Brushed Gray Aluminum
Supported Languages:	English, French, Spanish, German, Italian
Aspect Ratio Control:	4:3
Dimensions:	112*105*46mm
Weight:	1.0 lb
Power Consumption:	12V - 19V, 30 Watts
Power Supply:	AC100~240V(Free Voltage), 50Hz/60Hz
Supported Formats:	(See Below)
Conformances:	CE, UL

## INPUTS / OUTPUTS

Video In:	Composite A/V (3.5mm Jack)
PC / Laptop:	15 pin VGA (up to 1280x960)
Audio Out:	3.5mm Speaker/Headphone Jack
USB:	USB On-The-Go (Memory Sticks) USB Data Transfer
Control System:	Infrared Remote Control Top Illuminated Keypad

# Specifications

<b>STORAGE CAPACITY</b>	Built in 1Gb flash memory SD/TF card reader
<b>SUPPORTED FORMATS</b>	AVI, RMVB, RM, DAT, MPG, MPEG
<b>CODECS SUPPORTED</b>	*RV: RealVideo-3, RealVideo-4 *MPEG2/1 *MP3: *RA: Cooker/AAC *LC AAC, HE AAC, MP2, PCM, AC3 *AVI (MJPEG + MP3/LC AAC/HE AAC/MP2/PCM/AC3) *RMVB/RM (RV + RA) Max. bit-rate: 2 Mbps *DAT(MPEG1+AC3/MP2)  *MPG/MPEG(MPEG2/1+AC3/MP2) Max. bit-rate: 4 Mbps
<b>MAXIMUM RESOLUTIONS</b>	*AVI 720*480@30fps, Max. bit-rate 2 Mbps 1280*720@30fps, Max. bit-rate 4 Mbps *RMVB/RM 720*480@30fps, Max. bit-rate 500 Kbps 1280*720@30fps, Max. bit-rate 800 Kbps *DAT, MPG/MPEG 720*480@30fps