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LASER PICO PROJECTOR

USER MANUAL

Thank you for purchasing the revolutionary AAXA L1 Laser Projector - the worlds first laser powered pico projector with an internal media player and storage. The unique three-color laser light source enables the L1 to produce images with amazing color saturation that are always in focus. Designed for mobile professionals and entertainment, the AAXA L1 pocket projector combines a revolutionary laser light source, proprietary despeckling technology, and a LCoS imager to achieve 20 lumen output at 800x600 resolution with low power consumption. The flexbility offered by the L1 laser light source opens up a new world of possibilities in projection applications. The focus-free operation allows for rapid changes in projection size, angled projection, and projection on curved and other non-flat surfaces. With its ultra-efficient optical engine, the L1 can produce rich images even in less-than-dark environments.* When used in darker environments the L1 can produce spectacular images up to 50".

Caution Instructions for proper use

WARNING: Please use this product as instructed. Misuse may cause injury or death.

DO NOT use while driving

DO NOT expose to water or wet surfaces. Electric shock may occur

DO NOT expose the laser to your eyes or the eyes of others

Keep the projector, battery, or chargeraway from any heat sources

Caution for Battery Use

- Do not pierce or puncture the battery with sharp objects
- Do not heat the product or expose it to high temperature.
- Do not wet it or place it in any liquid.

Caution for Earphone (Earplug) Use

- Prolonged use at high volume may impair your hearing.
- High volume during walking or driving may cause distractions and result in injury or death

As the projector has a laser source, it requires a short period of time to produce an optimal image after start-up .

ATTENTION: Please use this product as instructed. Mishandling may cause physical injuries.

Avoid dropping the projector -
this may cause damage

Do not disassemble the projector -
This will void the warranty

Avoid dusty or moist environments -
This may cause a short circuit or
electric shock

Features

LASER

The Laser Projector
The unique three-color laser light source enables the L1 to produce images with amazing color saturation that are always in focus.

20 Lumen/ SVGA HDAV
Native 800x600 resolution
Bright 20 lumen output means images of up to 50" can be projected

Built-in media player and flash memory
Win CE based media player capable of decoding of video, audio, images, and document. Onboard memory and USB port capable of reading files off a standard USB thumb drive (included).

File-Reading through USB port
USB Host function supported.
Files from an external memory can be read through USB port and then be projected.

Small form-factor and long battery life
Less than 7.5 CBI in size, 170 grams and 1.5 hour battery life.

VGA and composite video input
VGA (D-sub) connection is supported along with compositive video input with included cables.

Contents

Accessories List

AV Cable

PC Cable

Bracket

Charger

User Guide
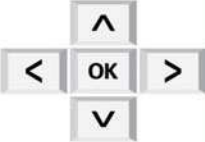
※ Under various circumstances, the actual accessories may be different from those shown in the pictures above.

Components

- Projecting Lens
- Speaker
- Keypad
- Charge Indicator
- External USB Memory (PC)
- Headphone Jack
- External Port (VGA, RCA, S-VIDEO Connection)
- Charger Port
- Reset
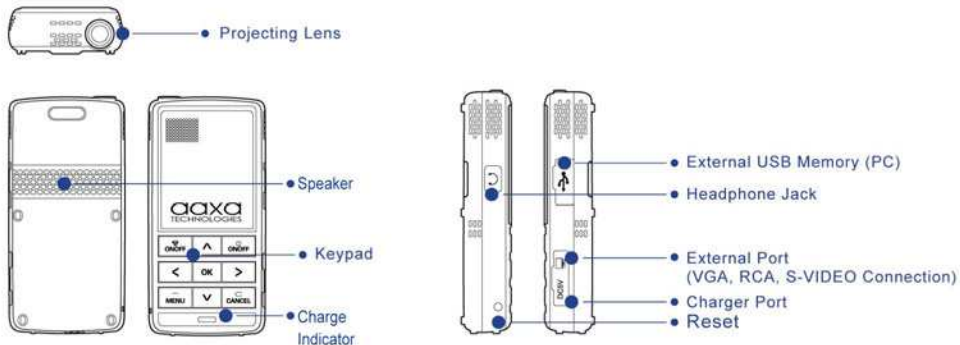
※ The L1 Projector can accept up to 16GB of USB flash memory
※ The L1 Projector can accept upt to 30GB of FAT32 USB hard disk

Keypad Functions

Keypad	Description	Function
ONOFF	**Power**	Projector On / Off
ONOFF	**Projector**	Rotate / Flip image (upside down / mirror, etc.)
MENU	**Menu**	Menu System
CANCEL	**Cancel**	Back / Return to main menu
OK	**OK**	Execute / Select Pause
Up/down	**Up/down**	Navigate up/down Volume Adjustment
Left/right	**Left/right**	Navigate left / right, FFWD / RWND

Instruction for Battery Charging

- Connect the charger to the power and the DC IN port
- The LED turns red while charging.
- The LED turns green when charging is finished.

Charging lamp
- charging
- Charging completed

Switch on

Press POWER button and hold for 2-3 seconds to switch on or switch off the power.

Projection Screen Adjustment

- The L1 Pico Projector does not need to be focused - the image is always in focus
- The recommend throw distance is 12 to 84" which will produce a 10" to 70" diagonal respectively
- Use the image rotation tool to project sideways, upside down, etc.

Image Rotation

- Press the image rotation button to rotate the projected image

Throw Distance Chart

DISTANCE Inch (")	DIAGONAL Inch (")
12	10
18	15
24	20
30	25
36	30
48	40
60	50
72	60
84	70

DIAGONAL SCREEN SIZE

4:3 Aspect Ratio

Main Menu

- Image Viewer
- External Video Input
- Video Player
- Setup Menu
- MP3 Player
- Document Browser
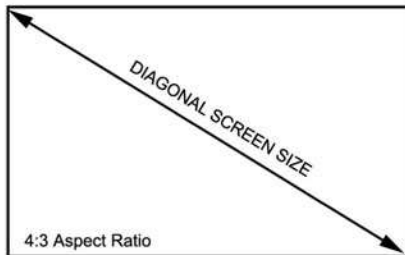
Accessing USB Memory Stick data

The L1 projector can access data stored on a USB memory stick
For supported file types please see the Specifications Page
To use:

- Connect the USB memory or the portable hard disk to the projector
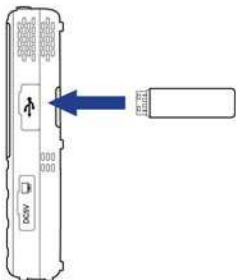- Select either Movie, Music, Photo, or Document modes. Enter the submenu - you will see /NAND flash or /USB Disk as a submenu
- Choose the USB folder.

※ When the attached USB memory is not recognized, make sure the USB is set as "Host" in the setting menu.

Document Viewer

1. Open Documents in the file menu
2. Switch to full-screen mode
3. Go to previous page
4. Go to next page
5. Scroll Left / Right within document
6. Scroll Up / Down within document
7. Zoom Out
8. Zoom In
9. Rotate Image

Press "MENU" to access

Note: Holding the "OK" button will toggle to full screen

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Document Viewer (cont)
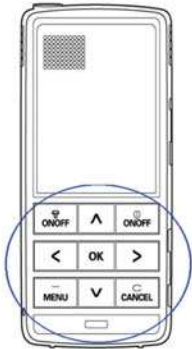
*Press left, right, up, down to browse between pages

*Press "OK" to zoom in the full-screen mode

*Use the left, right, up, down buttons to scroll through the document when zoomed in

*Press the "MENU" button to zoom back out

*Press the "CANCEL" button to return to the document sub-menu

NOTE: Some pages my take some time to load – this is normal

Video Player Menu

1. Rewind / Back

2. Stop

3. Fast-Forward / Next

4. Full-Screen Mode

5. Volume Low

6. Volume High

Press "MENU" to access

Video Player (Full Screen Mode)

Increase Volume

Pause Video

Rotate Image

Projector On/Off

Rewind
Hold for 3 seconds to
selectprevious video

Fast Forward
Hold for 3 seconds to skip
to next file

Return to Sub-Menu

Cancel

Lower Volume
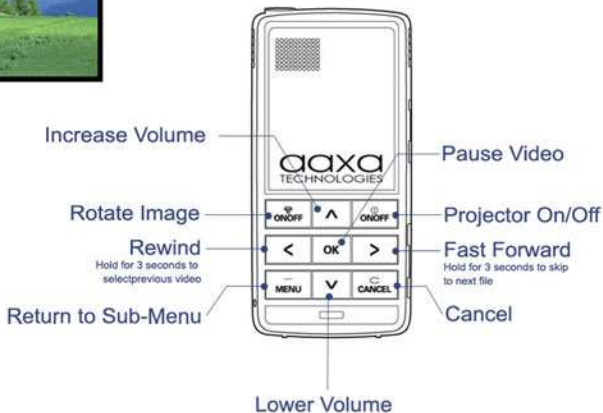
Image Viewer Menu

1. Previous
2. Full Screen
3. Next
4. 90° Rotation
5. Slide Show
6. Thumbnail Preview

Press "Menu" to access

Image Viewer Full Screen/Slide Show

Not Used

Start / Stop Slideshow

Rotate Image

Projector On/Off

Select Previous Image

Select Next Image

Return to Sub-Menu

Return to Main Menu

Not Used

Image Viewer Thumbnail Preview

Scroll Up

View Picture

Rotate Image

Projector On/Off

Scroll Left

Scroll Right

Return to Submenu

Main Menu

Scroll Down
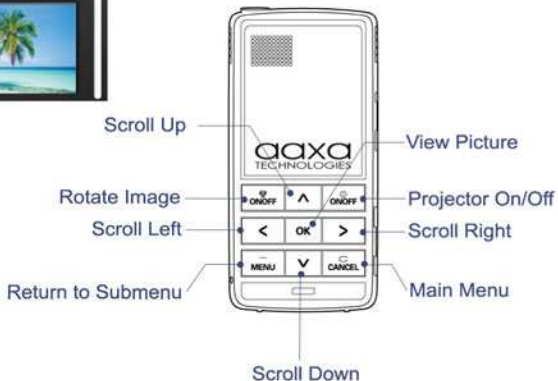
MP3 Player Menu

File Selection Menu

1. Play/Pause
2. Previous
3. Stop
4. Next
5. Single Repetition
6. Shuffle
7. Mute
8. Volume Down
9. Volume Up

Press "MENU" to access

NORMAL: Use this icon to change the music setting (sound equalizer) from NORMAL, JAZZ, POP, ROCK

A B: Repeat select portions of songs
Press "OK" once to set starting point
Press "OK" again to set end point
Press "OK" a third time to end repetition

X1: Change the play-back speed from X1, X2, X4, X1/2, X1/4

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Video Input - PC Connection

The L1 projector can be connected to a PC or VGA output device through the 15-pin Dsub connector.

Connection Procedure:
*Access the External Input Menu on the projector
*Select PC / Laptop (Analog RGB)
*Set your computer's output to 800x600 (do this first)
*Connect the monitor cable to the projector and the computer
*The projector will autodetect the RGB signal
*NOTE: If the screen is distorted adjust your computer's output resolution to 800x600 then disconnect and reconnect the cable

External Signal Input

15-PIN VGA CONNECTOR

VIDEO INPUT

PC/Laptop (Analog RGB)

TV-out (RCA)

S-Video

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Video Input - AV Input Devices

The L1 projector can be connected to all composite video devices (TV, cell phone, MP4 players, iPod/iPhone, DVD players, digital video cameras, game consoles, etc.) with the composite AV cable.

Connection Procedure:
* Access the External Input Menu on the projector
* Select TV-out (RCA)
* Connect the AV cable to the projector and the video source
* The projector will autodetect the composite signal

External Signal Input

VIDEO INPUT

- PC/Laptop (Analog RGB)
- TV-out (RCA)
- S-Video

R – AUDIO 1 – L   VIDEO 1

Video Input - S Video

The L1 projector can accept S-video input sources

Connection Procedure:
*Acces the External Input Menu of the projector
*Select S-video
*Connect the video source to the projector using the S-video AV cable

External Signal Input

Setup Menu
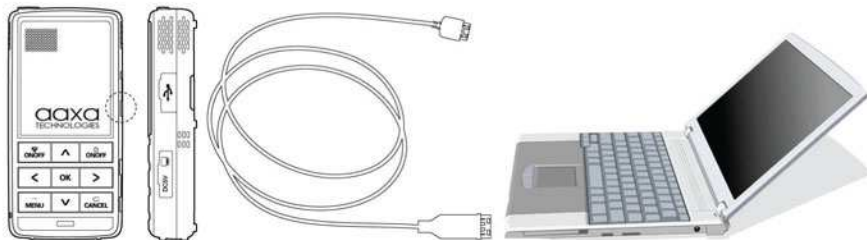

SETUP MENU

Volume

Language (English / Chinese)

Menu Sound Effects

USB Setting
Host - Flash drives
Slave - Computer Connection

Restore Factory Default Settings

Software Update (requires firmware)

Connecting to a Computer (data transfer)

*The onboard memory of the L1 projector can be accessed via a PC or Windows based computer (Connecting to an Apple computer is not recommended)

*To connect to a computer first set the projector in "Slave Mode" through the Setup Menu

*Connect one end of the USB cable to the projector and the other end to the computer

*Plug the cable into the USB port of the computer and access the drive through the "My Computer" window

Supported File Types

music	Audio files: MP3, MP2, WAV, OGG Audio coder: MP3, MP2, WAV, OGG Sound channel: mono (when the loudspeaker is in use), stereo (when earphone is in use) Responding frequency: 20Hz-20kHz Equalizer: 5Bands (Classic, Pop, Jazz, Rock, Normal) Build-in speaker: 1W
video	Video files: AVI, ASF, WMV, MPG,MPEG Video coder: Divx3/4/5, Xvid,MPEG-4SP Audio coder: AAC, AC3, WAV, MP2, OGG, WMA, MP3 Resolution: 720×576, 320×240 (WMV) Frame rate: 30fps at most Subtitle file: SMI
Photo	BMP, JPG, PNG, GIF
Document	MS Word (doc, docx) / 97-2007 MS PowerPoint (ppt, pptx) : 97-2007 MS Excel (xls, xlsx) : 95-2007 Adobe PDF (pdf) : 1.2-1.7

Note: Only english file names are supported

Specifications and Features

Machine Name	L1 Laser Projector
Brigthness / Resolution	20 Lumens / 800 x 600 (SVGA)
Size	54mmx107mmx21mm
Weight	170g
Capacity of the Built-in Memory	160 MB