



LED PICO
Pocket Projector



User Guide

Caution!

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 projected LED image to your eyes or the eyes of others

DO NOT block or restrict airflow from ventilation holes as this may cause the projector to overheat

Keep the projector, battery, or charger away 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 Headphone 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

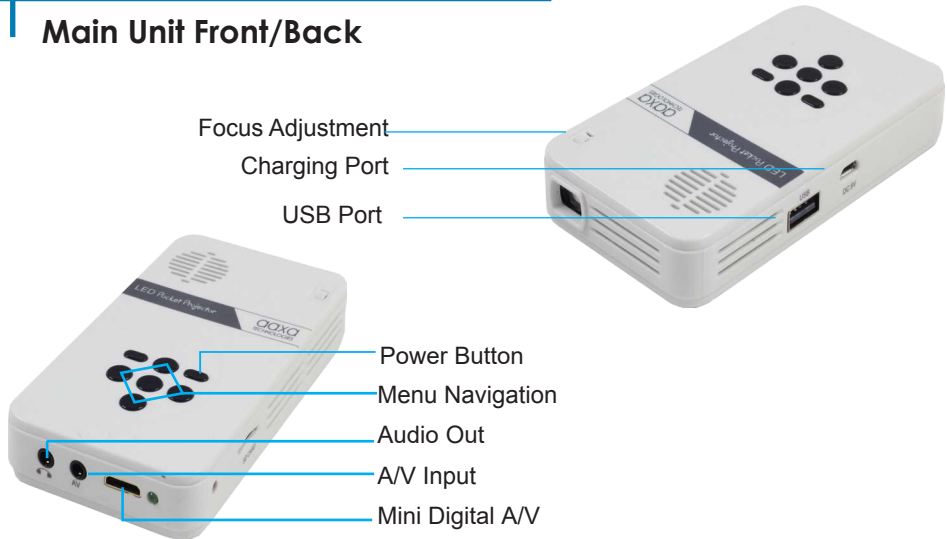
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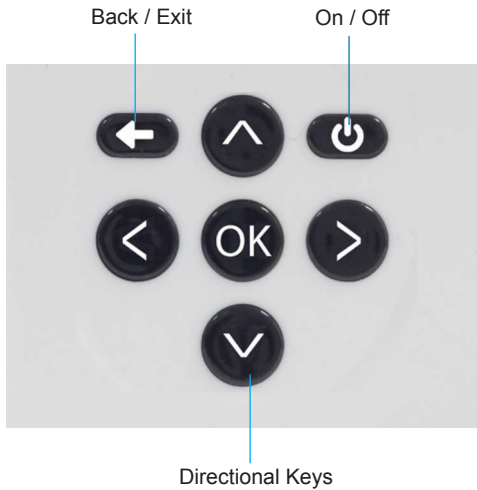
LED Pico at a Glance

Chapter 1

Main Unit Front/Back



Keypad



Accessories



Micro USB Cable



A/V Cable



Tripod

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

Getting Started

Chapter 2

Powering ON the projector

1. If you want to charge your LED Pico, simply plug in the Micro USB cable to any computer or wall adapter.



2. Once your LED Pico is charged, hold down the power button for approximately three seconds until the unit starts projecting.

Powering OFF the projector

1. Press and the power button once, then again to confirm.
2. After a few seconds, the unit should turn off fully.



Note:

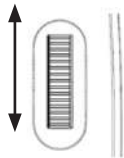
*The LED Pico Projector battery does not charge when it is in operation.

*For continuous operation, a USB charger with 5V/2A output is required. Laptop USB ports and USB chargers with less than 2 Amp rating can be only used to charge the battery.

Focus Adjustment / Throw Distance

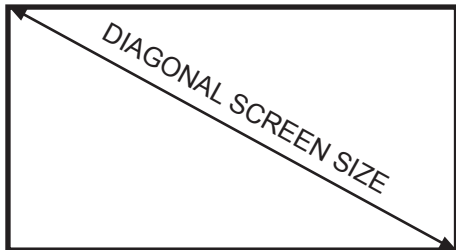
Focus Adjustment

- Spin the focus wheel up or down until the image becomes clear.



Throw Distance Chart

Distance inch (")	Diagonal Inch (")
20	12
30	18
40	25
50	31
60	37
70	43
80	49
90	55



16:9 Aspect Ratio

Throw Ratio 1.9

*minimum throw distance: 10 inches

Connecting to a Computer via Digital A/V

Step 1:

Connect one end of the



to your computer's



Regular end of Digital A/V

Digital A/V Port

Step 2:

Connect one end of the



to your LED Pico's

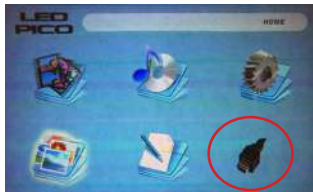


Smaller end of Digital A/V

Digital A/V Port

Step 3:

In the Main Menu



Select the "INPUT" icon



Select the "Digital A/V" icon

Connecting to a Computer Cont.

Step 4:

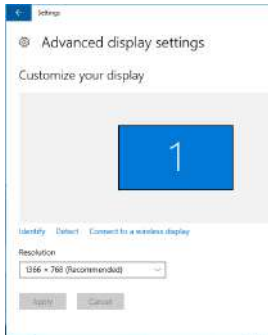
To enable Digital A/V output on your computer, most computers require “turning on” the video output feature. Each computer is different. Please consult your computer’s manual for instructions to enable Digital A/V output. Below are standard instructions for a Windows 10 computer – not all systems are the same.

Step 5:



Press Windows+P to toggle through display settings. Select either “Duplicate” or “Extend” depending on your viewing option

*NOTE: different operating systems may differ



1. Right click on computer desktop and select “Screen Resolution”
2. Display Properties window will pop up
3. If a secondary monitor is grayed out, click on it and select “Extend these displays” in the “Multiple Displays” drop down
4. If the image is blurry or the text is not legible, adjust the screen resolution. We recommend 1280x720 (720p).

Connecting to Composite Video

Step 1:

Connect 3.5mm end of the



A/V Adapter Cable

to your LED Pico's



A/V Port

Step 2:

Connect the opposite end of the



A/V Adapter Cable

to your device's



Composite Cord



Connecting to Composite Video Cont.

Step 3:

In the Main Menu



Select the "INPUT" icon



Select the "AV" icon

Step 4:

Turn on your multimedia device.

Connectivity with multimedia devices

The LED Pico can connect to many media devices including: VHS players, DVD players, cameras, video game consoles and other peripherals with ease.

Connecting to Digital A/V

Step 1:

Connect one end of the



to your LED Pico's



Smaller end of Digital A/V

Digital Input Port

Step 2:

Connect the other end of the



to your device's



Regular end of Digital A/V

Digital Input Port



Connecting to Digital A/V Cont.

Step 3:

In the Main Menu



Select the "INPUT" icon



Select the "Digital A/V" icon

Step 4:

Turn on your multimedia device. If available, select 1280x720 (720p).

Connectivity with multimedia devices

The LED Pico can connect to many media devices including: iPod, iPhone, iPad, DVD players, Blu-Ray players, smart phones, cameras, video game consoles and other peripherals with ease.

*Apps on smart phones require video out capabilities to be displayed with the LED Pico (additional adapters may be required).

Connecting Speakers/Headphones

Step 1: Connect your speakers/headphones to the projector's speaker adapter.



3.5 mm cord



3.5mm
headphone jack

Step 2: Ensure the power and volume on your speaker or headphones is turned on.

Step 3: Place the headphones on and enjoy!



***CAUTION for Headphone Use**

- Prolonged use at high volume may impair hearing

TF Card

How to insert your TF Card

- Slide in your TF card into the TF card slot on the side of the LED Pico (as shown in picture).
- Gently slide the TF card until it clicks into place.

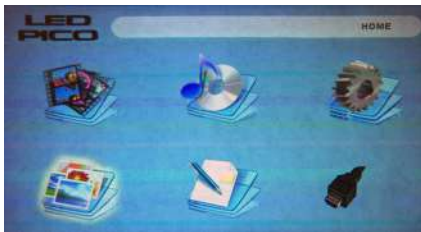
How to access your TF Card

- Once your TF Card has been inserted, you can navigate to any media content in the main menu.
- After selecting the media content, choose the TF card selection.
- You can now access the data on your TF card through the onboard media player

***Review the "Specifications" section of this manual to read about the supported file formats.**



TF Card Cont.



Media Player Menu

- In the Media Player selection you can choose from Videos, Audio, Pictures, and Ebooks.
- Select the appropriate menu for the type of file you wish to view.



File Menu System

- The LED Pico will show all folders and files you have on your TF Card in the C: drive.
- Use the directional buttons to navigate to different folders or files.



Return: Brings you back to the main menu

USB Host

How to insert your USB Drive

- Slide your USB Drive into USB port (as shown in picture).
- Gently slide the drive until it cannot go in any further.

How to access your USB Drive

- Once your USB Drive has been inserted, you can navigate to any media content in the main menu.
- After selecting the media content, choose the USB selection.
- You can now access the data on your USB drive through the onboard media player

***Review the "Specifications" section of this manual to read about the supported file formats.**



USB Host Cont.



Media Player menu

- In the Media Player selection you can choose from Videos, Audio, Pictures, and Ebooks.
- Select the appropriate menu for the type of file you wish to view.



File Menu System

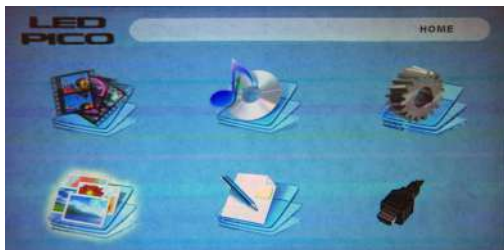
- The LED Pico will show all folders and files you have on your USB Drive.
- Use the directional buttons to navigate to different folders or files.



Return: Brings you back to the main menu

Main Menu

The LED Pico 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.



- Scroll Left/Right by pressing the left and right directional buttons.
- To select a submenu, highlight the desired submenu and press the OK button located in the middle of the keypad.
- To go back to the previous page while in a submenu, press the Back button on the top right.

Video Player Menu



Select the “VIDEOS” icon

The LED Pico will show all folders and files you have on your USB or TF Card Drives. Use the directional buttons to navigate to different folders or files.

Opening a file:

- Select the video option from the main menu.
- Select the hardware media the file is stored on.
- Choose which file you wish to play.

Video Player Menu

Playing Videos

To use the video controls, use the directional keys to highlight the option you wish to choose.



Move selection left

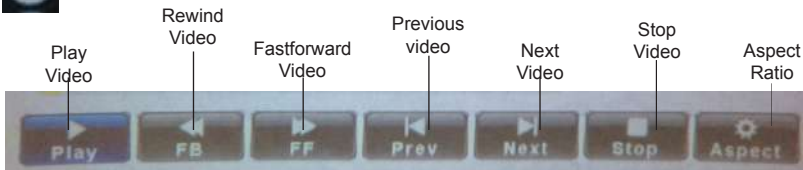


Move selection right



Confirm selection

- To open the video player menu, press the “OK” button on the projector.
- To close the video player menu, press the “back” button on the projector.



Video
Playlist

Video
Info

Slowforward
Video

Step
Forward

Video
Subtitle

Zoom
In

Zoom
Out

Video Playback FAQ

How do I loop a video?

1. Choose either USB or TF Card for playback



2. Navigate the folders until you reach the file you wish to play.
3. Highlight the file you want to play, then confirm the selection.
4. Move selection on video player menu to “Repeat A.” Press OK until it says “Repeat 1.”
5. The video will now loop after playback is finished.



Photo Menu



Select the “PICTURES” icon

The LED Pico will show all folders and files you have on your USB or TF Card Drives. Use the directional buttons to navigate to different folders or files.

Opening a file:

- Select the photo option from the main menu.
- Select the hardware media the file is stored on.
- Choose which file you wish to play.

Photo Menu

Viewing Pictures

To use the photo controls, use the directional keys to highlight the option you wish to choose.



Move selection left



Move selection right



Confirm selection

- To open the video player menu, press the “OK” button on the projector.
- To close the video player menu, press the “back” button on the projector.

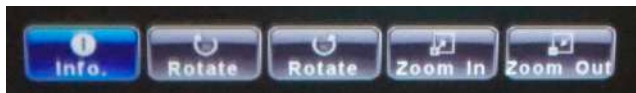
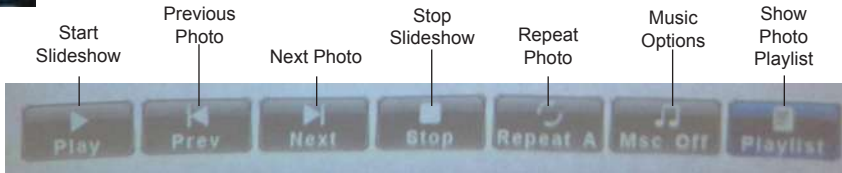


Image Info

Rotate Clockwise

Rotate Counterclockwise

Zoom In

Zoom Out

Photo Slideshow FAQ

How do I play a slideshow?

1. Choose either USB or TF Card for playback.



2. Navigate to the folder that contains the pictures you wish to see in the slideshow.
3. Confirm selection of the first picture.
4. Press “play” in the photo menu
5. Slideshow will now play.
6. NOTE: Selecting “repeat” will loop slideshow.

How do I manually control the slideshow?

1. After selecting the photo you wish to display, you can press “play” to start the slideshow (as outlined in the previous FAQ).
2. To manually control the slideshow, you must stop the slideshow with the “stop” button.
3. You may use the controls on top of the projector itself to flip through the pictures in the current playlist.

Music Player Menu



Select the “MUSIC” icon

The LED Pico will show all folders and files you have on your USB or TF Card Drives. Use the directional buttons to navigate to different folders or files.

Opening a file:

- Select the audio option from the main menu.
- Select the hardware media the file is stored on.
- Choose which file you wish to play.

Music Player Menu

Listening to Audio

To use the audio controls, use the directional keys to highlight the option you wish to choose.



Move selection left



Move selection right



Confirm selection

- To open the music menu, press the “OK” button on the projector.
- To close the music menu, press the “back” button on the projector.



Mute
Music

Music
Playlist

Music
Info

Music Playback FAQ

How do I loop a song?

1. Choose either USB or TF Card for playback.



2. Navigate the folders until you reach the file you wish to play.
3. Highlight the file you want to play, then confirm the selection.
4. Move selection on music player menu to “repeat” and confirm the selection.
5. The song will now loop after playback is finished.

How do I create a song playlist?

1. Insert your media device (either TF card or USB) into a computer.
2. Make a new folder on media device (folder name will be the name of the playlist).
3. Transfer songs from computer to the new folder, name accordingly.
4. Remove media device from computer and insert into projector.
5. Navigate to Audio section, then choose appropriate media device.
6. Navigate to your playlist folder.
7. Start at first song.
8. Playback will follow each successive song on the list.

*To create a special order for the list, add numerical numbering to the beginning of each file.

EBook Viewer Menu



Opening a file:

- Choose the “Open File” option
- Select device file is stored on
- Select file from list

The LED Pico will show all folders and files you have on your USB or TF Card Drives. Use the directional buttons to navigate to different folders or files.

Viewing text files

The LED Pico Projector allows you to view text files. Select the file you want to view in the file menu for the particular storage device on which the file is stored. You can press the left and right arrow buttons on the directional pad to flip through the pages you have in the present folder.

*Review Specification section of this manual for supported ebook formats.

Setup Menu

The Settings Menu can be accessed by selecting “Settings” on the main menu



Within the settings menu there are four submenus that allow you to customize your LED Pico to the settings you want.

Picture

- Picture Mode
- Color Mode
- Power Mode
- Slideshow Time
- Aspect Ratio
- Upgrade

Sound

- Sound Mode
- Balance
- Auto Volume
- Surround Sound

Time

- Clock
- Off Time
- On Time
- Sleep Timer
- Autosleep

Option

- OSD Language
- Restore Factory Default
- OSD Duration
- Software Version

Picture Settings

Picture Mode

- Changes the picture mode to different settings depending on your choosing.

Color Mode

- Adjusts the color temperature from hot to cool (red to blue).

Power Mode

- Choose between Eco and Standard mode. Eco is a battery saving mode that reduces picture brightness.

Slideshow Time

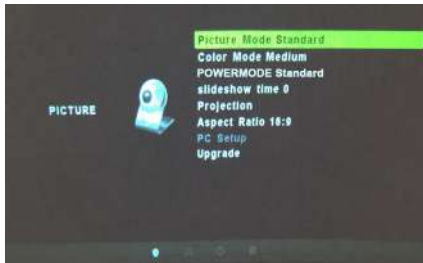
- Adjusts the time between photos when in slideshow mode

Aspect Ratio

- Adjusts the image's aspect ratio from 16:9 to 4:3

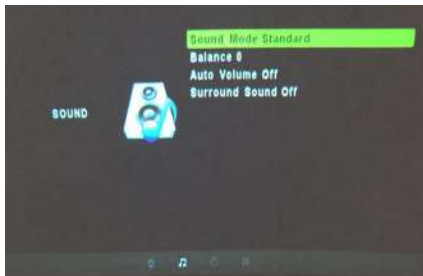
Upgrade

- Upgrades the LED Pico's firmware



*Caution: Some pictures may be cut off when aspect ratio is set incorrectly

Sound Settings



Sound Mode

- Change the sound mode depending on what is currently playing.

Balance

- Adjusts the balance of the sound, from left to right.

Auto Volume

- Sets the projector to auto-detect for the volume. The projector will auto detect the appropriate sound mode.

Surround Sound

- Adjusts the surround sound capabilities of the projector.

Time Settings

Clock

- Adjust the time/date.

Off Time

- Sets a time for auto turn off of projector.

On Time

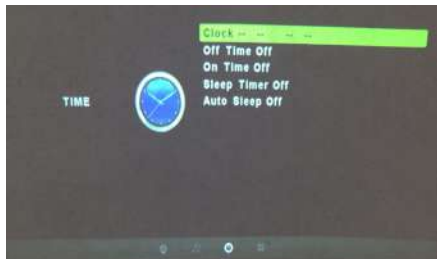
- Sets a time for the projector to auto turn on.

Sleep Timer

- Sets a timer until the projector to go into sleep mode.

Auto Sleep

- Sets the auto sleep of the unit.



Option Settings



OSD Language

- Changes the language of the device.

Restore Factory Default

- Restores the projector to factory settings.

OSD Duration

- Allows the projector to set a duration for the selected OSD language.

Software Version

- Lists the firmware version your LED Pico is running.

Troubleshooting

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 both 180 degrees and on an even plane with the screen.

No Sync, No Signal

1. 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 LED Pico 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 LED Pico projector is 1280x720 (720p). Depending on the video driver, different resolutions may need to be selected for proper output.

Technical Details

Troubleshooting

THE PROJECTOR DOES NOT TURN ON

Possible Causes	Solution
Low battery	Charge the projector until the battery is fully charged (Green light can be seen). Projector has to be turned off while charging.
There is no power	Check to ensure the power outlet source is good. Check the Power Adapter/ Micro USB Cable to ensure a proper connection with the wall outlet or computer as well as the projector. Ensure the projector is off while charging.
The power button was not held long enough	To power on the projector, the power button needs to be depressed for a full 3 seconds. Try holding the power button until the optical engine turns on.

Technical Details

Troubleshooting

PROJECTOR SHUTS OFF WHILE IN USE

Possible Causes	Solution
Incorrect power output used	For continuous operation, a USB Charger with 5V/2A output is required. Laptop USB ports or USB chargers with less than 2 Amp rating can be only used to charge the battery.
Low Battery	Charge the projector until the battery is fully charged (Green light can be seen). Projector has to be turned off while charging,

NO PICTURE / FILE NOT SUPPORTED

Possible Causes	Solution
The video source is not properly connected or selected	Check the video source signal to ensure that it is properly connected. Select the current 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.

Specifications

Brightness	25 Lumens
Native Resolution	1280x720 (720p)
Maximum Resolution	1920x1080(1080P)
Contrast Ratio	1000:1
Projectoin Lens:	Manual Focus
Image Size:	10~50 inches
Lamp:	Triple RGB LEDs with Vibrant Color Technology Life 15,000hrs
Video in:	Composite A/V Mini Digital A/V (Mini-HDMI Type Compatible)
Audio Output:	1.0 W speaker 3.5 mm audio jack
TF Card:	TF Card Slot (32GB maximum)
USB:	USB Host (Memory Sticks)
Dimensions:	115mm x 68mm x 19mm
Weight:	0.4 lbs

Please direct all customer service inquiries to:

AAXA Technologies, Inc.
17691 Mitchell N., Unit# B
Irvine, CA 92614
(714) 957-1999
info@aaxatech.com