P1 Jr.

Pico Projector

USER MANUAL

aaxa
TECHNOLOGIES

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P1 Jr. Pico Projector

Congratulations on purchasing the world's smallest LCOS pico projector with media player! The P1 Jr. pico projector features a bright 11 lumen projector with built-in media player capable of projecting videos, pictures, and media of up to 50"*. Combined with its 1 hour internal battery the P1 Jr. pico projector is the ultimate portable entertainment device! In this manual you will find instructions on how to use your P1 Jr. pico projector.

* Notice: The P1 Jr is designed to be used in dark areas only – use in lit areas is not recommended.

⚠ Warning: Please use this product as instructed to prevent any injuries.

⚠ Do not operate the projector in moist or wet environments. Exposure to water may cause electrical shock.

⚠ Caution Lithium Ion Battery onboard. Do not dispose of improperly or expose to extreme heat.

⚠ Avoid extreme temperatures as this may damage the projector.

⚠ Avoid using the projector if damaged. Taking apart the projector is not recommended and will void the warranty.

Package Contents

P1 Jr. Projector

USB Cable

AC Adapter/Charger

AV Cable

Adjustable Tripod

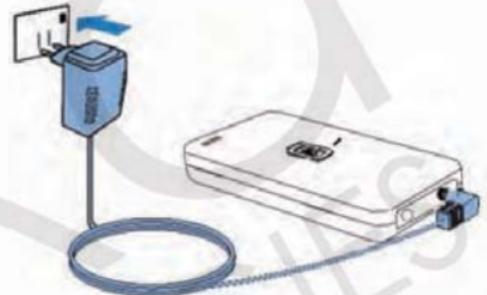* Note: Actual accessories may appear different from those shown above.

General Operation

Turning On the Projector
Press and hold the power button for 3 seconds to turn the projector on. The welcome screen should appear while the projector is loading and will automatically load into the onboard media player.

Note: Please make sure the P1 Jr is fully charged before use. Charge time can be up to 3-4 hours. To charge the projector:
   1. Attach the power adapter to the projector
   2. Attach the power adapter to the wall outlet

Turning Off the Projector
Hold the power button for 3 seconds until the optical engine turns off.

General Operation

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

2. Focus adjustment
If the projected image is not in focus, move the ring to the left or right to bring the image into focus. A clear picture can be acheived at a distance of 10" - 90". Please see page 6 for focus and throw distances.
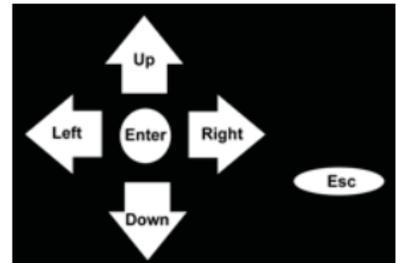
3. Joystick
Use the joystick to navigate through each menu. The joystick behaves differently in each submenu. The diagram below depicts the language used in the rest of the manual to describe the functionality of the joystick.

4. Escape (ESC)
In most scenarios, the escape button exits from the current menu to the top level menu. Please see each menu section to learn more about this button.
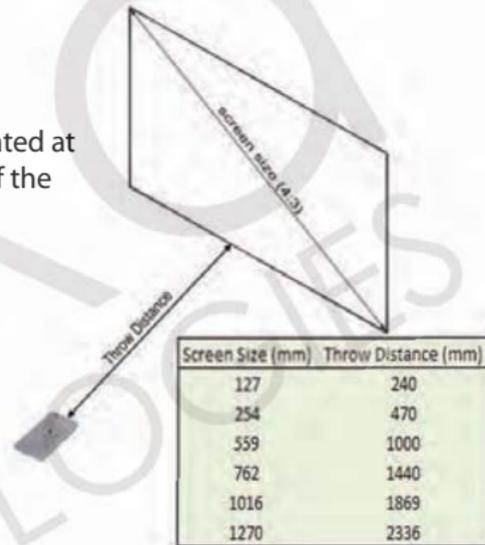
General Operation

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 distances specified on the right.

Tripod Adapter

Insert the tripod to the bottom of the projector as shown to the left. Confirm that the tripod is securely fastened before turning on the projector.

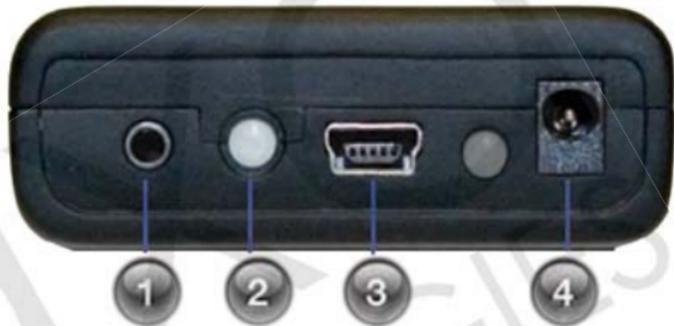| Screen Size (mm)	Throw Distance (mm)
127	240
254	470
559	1000
762	1440
1016	1869
1270	2336

Inputs / Outputs

1. **A/V Port** – The P1 Jr. can project video from standard composite video sources. A resolution of 720x480 can be supported. Please see page (8) for more information about AV Input Devices.

2. **Power Button** - To turn on/off the projector, press this button for 3 seconds.

3. **Mini USB Port** – The Mini USB port is designed for data input from USB OTG devices. Please see the USB Data description on page 14 to learn more.

4. **Projector Power** – The P1 Jr. accepts 100-240V 50-60hz power at 2000ma. The charge receptacle is found on the back of the projector. The P1 Jr. can be operated during charging.

5. **SD Card** – The P1 Jr. can accept up to 8GB SD Cards. For accepted file formats please see the specifications page (19) for additional information.

Menu System

The AAXA P1 Jr. pico projector features an onboard media player complete with onboard menu system. The onboard menu system allows the user to select from different video inputs as well as video and picture playback.

AV (Audio / Video) Input

Selecting the AV input will enable the P1 Jr. to display video from a device connected to the AV port. Input resolution can be either NTSC or PAL of up to 720x480 video resolution.

a. To connect an A/V cable, insert the 3.5mm portion into 3.5-2.5mm adapter. Place that in to the A/V port of the projector and the other end to external device.

Menu System

AV (Audio / Video) Input (cont'd)

b. Click on the "AV input" icon in the main menu. A blue screen will appear and the projector will be ready to accept an A/V signal.

c. Turn on the external device and make sure it is properly set up to output video.

d. Possible A/V sources: Standard Composite (included), iPod/iPhone, HTC Series, Nokia Series, DVD Player (non Bluray / HD), Cable Box (non HD), Nintendo Wii (composite only), Microsoft Xbox (composite only), Sony Playstation (composite only). You may purchase the cable necessary to connect your external device from AAXA or your AAXA dealer. Please see your device's instruction manual for more information. Please ensure your device has video output capabilities. For example some cell phones have the video output feature blocked.

SD Card

Selecting the SD Card input opens a submenu to allow you to select the type of data you would like to access. The submenu includes access to: Videos, Photos, Music and Files. Please see the SD Card Memory section on page 10 to see the menu items.

USB Data

Selecting the USB Data input will allow the user to access data on their USB OTG (On-The-Go) device. Please see the USB Data section on page 15 for additional information.

Setup

Selecting the Setup option allows the user to change various settings on the P1 Jr. Please see the Settings

SD Card Memory

To access data from the SD Card slot:

a. Insert the SD Card as shown. The gold connectors on the card should face down. Maximum of 8GB SDHC cards are supported.

b. Access the SD Card Memory menu from the main menu.

c. Select one of the icons to access related data on the SD card.

SD Card Memory

Videos

Selecting the video menu brings up the video selection submenu seen on the right. To navigate to a video, press the joystick up and down. To select and play a video, click the joystick. For compatible video formats, please see the specifications page.

During playback, the joystick controls are:
Volume Control: Right/Left
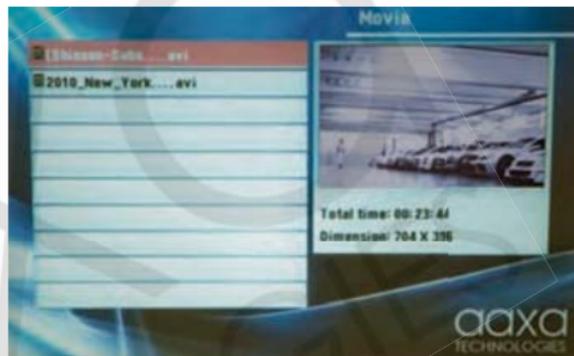**Fast-Foward/Rewind:** Up/Down
  Speeds of 2x, 4x, 8x, 16x, 32x; to play at
  normal speed, cycle through all speeds
Open Video Playback Menu: Enter
Stop: Escape

After the menu is opened, use the joystick to operate the following controls:

1. Previous	5. Next
2. Rewind	6. Stop
3. Play / Pause	7. Repeat / Shuffle / Cycle
4. Fast-Forward	8. Brightness / Contrast

SD Card Memory

Photos

Photos will initially be seen in thumbnail mode. Selecting a photo will begin displaying the pictures in slideshow mode (bottom right). The slideshow can be customized in the Settings Menu. Please see the Slideshow page to see what settings can be customized.

During the slideshow, joystick controls are:
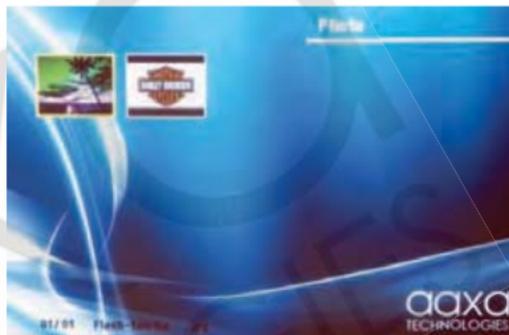**Previous/Next:** Left/Right
Pause: Enter the slideshow submenu by clicking on the joystick to bring up the submenu. Select play / pause by clicking on the joystick.
Open Slideshow Controls: Enter (below)
Exit: Escape

Use the joystick to operate the controls once the menu has been opened.

1. Previous
2. Play / Pause
3. Next
4. Stop
5. Zoom
6. Repeat / Shuffle / Cycle
7. Brightness / Contrast

SD Card Memory

Music

To listen to music on the P1 Jr., select the Music icon. A list of available music files will appear. Click on the desired song to begin playing. Move the joystick up and down to navigate between songs. To select a song, press enter (click on the joystick).

During playback, joystick controls are:
Volume Control: Left/Right
Previous/Next Song: Up/Down
Opens Control Menu: Enter
Stop/Exit: Escape

*Note: The above controls only apply when the control menu is not open.

Use the joystick to operate the controls once the menu has been opened.

1. Previous
2. Next
3. Play / Pause
4. Stop
5. Repeat 1 / Repeat All / Shuffle
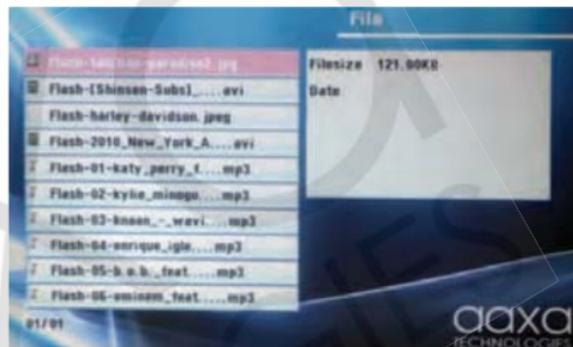
Files

The file menu allows for browsing and deletion of the files currently on the SD card. Click on the Files icon from the main menu to enter the submenu. To navigate through the list, press up and down on the joystick. To delete a file, select it from the list by clicking on the joystick. This will give you the option to delete. To view the file properties, select the file and it will appear on the right.

USB Data Display

The P1 Jr has the ability to read data from a USB OTG (On-The-Go) enabled device (such devices include cell phones, flash drives, etc). This allows the user to view the data stored on the USB OTG enabled device from the P1 Jr.

To access the data on your USB OTG device, plug your USB device to the back of the P1 Jr (shown below). Once the connection is made, select USB Data from the main menu and the data will appear. You should now be able to access the data on your device.

If the data does not appear, try reconnecting the device. If that does not resolve the issue, check with your device manufacturer to confirm that the device is a USB OTG device.

Settings Menu

The Settings menu can be accessed through the main menu by selecting the Setup icon. This submenu allows the user to customize the P1 Jr.

Slideshow – The slideshow setting allows the user to change the speed, transition style, and display mode of the slideshow. Please see the slideshow section to see more details about changing the settings.

Language – Supported languages include: English, French, German, Italian, Spanish

Keystone – The P1 Jr.'s keystone settings can be changed here. Please see the Keystone section on the following page to see how this affects the image.

About - Selecting this will display general information about the projector.

Reset - Selecting this will restore the projector to the factory defaults.
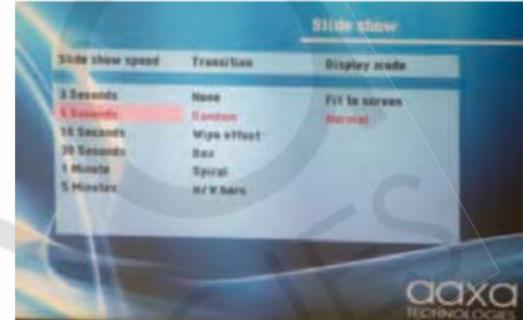
Settings Menu

Slideshow
Slide show speed – Controls how long each picture is viewed.
Intervals range from 3 seconds - 5 minutes.

Transition - Controls the transition between each picture.

Display mode - "Fit to screen" will compres or enlarge the
picture to the native resolution of the projector. Pictures
may become distorted when compressed or enlarged.
"Normal" will display pictures in their actual resolution.

Keystone
The P1 Jr.'s keystone settings will only affect vertical keystone. This means only the top and bottom of the
image may be adjusted. Press the joystick left or right to change the keystone.

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. Confirm that the unit is fully charged and has enough power.
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.

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 correct input source by choosing the input desired from the main menu.
Incorrect file extension / Video is ecoded 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	Solution
The projector is not in focus	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 the device is configured to 4:3 aspect ratio.

Specifications

PROJECTION SYSTEM
Projection Lens: Manual Focus
Projection Image: 10 ~ 50 inches
Lamp: Single Chip White LED
    15,000 Hours

GENERAL SPECIFICATIONS
Audio Output: Onboard 1w Mono speaker
Supported Languages: English, French, German, Italian, Spanish

Aspect Ratio Control: 4:3
Dimensions: 105*56*20mm
Weight: 126g
Power Consumption: 5V, 2000mA, 6 Watts
Power Supply: AC100~240V(Free Voltage) 50Hz/60Hz
Conformances: CE, UL

INPUTS / OUTPUTS
Video In: Composite A/V (2.5mm Jack)
USB: Mini USB Port
SD Card: SDHC (8GB maximum)

SUPPORTED FORMATS

Video: AVI;   MPG; 3GP; RMVB; RM; VOB; DAT
Video Codecs: DivX; XViD; MPEG-2; RV (8/9/10)

Audio Files: MP3
Audio Codecs: AAC; MPEG2;   ;

Images: JPG