aaxa
TECHNOLOGIES

P4X Pico 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 LED 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 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

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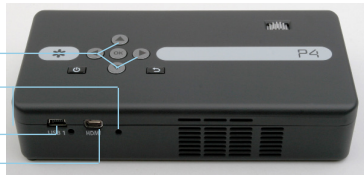
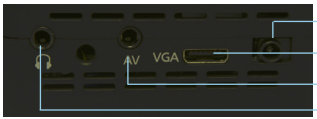
P4X at a Glance

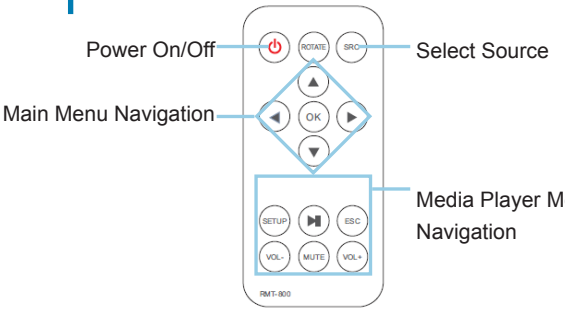
Chapter 1

Main Unit Front/Back/Side





Remote & Keypad



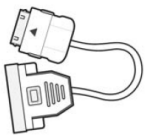
Both the keypad and remote can be used to navigate through the menus. The Main Menu Navigation on the remote functions exactly the same as the directional pad on the P4X unit.

NOTICE: Pressing power on the remote will only put the projector in **STANDBY** mode. Please press the power button on the projector if you want to turn it off.

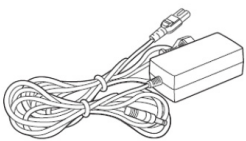
Accessories

Tripod

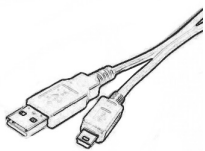
Remote



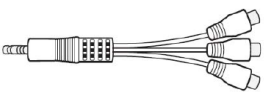
VGA Cable



Power Adapter



Mini USB to
USB Adapter



A/V Cable

*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. Connect the power cord to the P4X.
2. Connect the wall plug into the wall power source.
3. Press POWER button and hold for 2-3 seconds to switch on or switch off the power
   - The LED turns red while charging.
   - The LED turns green when charging is finished.
   - 4 hours of charge time is required to reach a full charge.

Powering OFF the projector

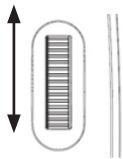
1. Press and hold the power button for 3 seconds.
2. The optical engine should power off and the fan should stop spinning.
   - Note. Pressing the power button on the remote puts the projector in standby mode. It will NOT turn off the projector.

Note: The P4X Projector battery does not charge when it is in operation.

Focus Adjusment / Throw Distance

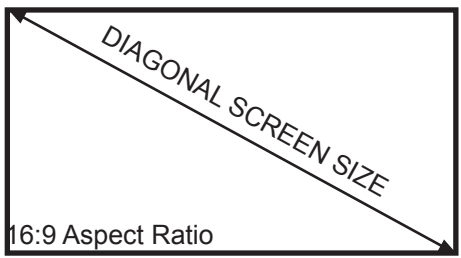
Focus Adjustment

1. Spin the focus wheel left of right until the image becomes clear.
2. The recommended focus distance for this projector is 12” to infinity.



Throw Distance Chart

Distance inch (“)	Diagonal Inch (“)
12	6.3
18	9.5
24	12.6
30	15.8
36	18.9
74	38.9
84	44.2
96	50.5

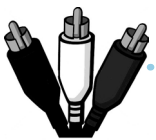


Throw Ratio 1.9
*minimum throw distance: 10 inches

External Inputs/Outputs

Headphone/speaker

Micro SD Card



Composite Cable

HDMI Cable

Laptop

Desktop

USB Stick

Connecting to a Computer via VGA

Step 1:

Connect the large end of the to your computer's

VGA Cord

VGA Adapter

Step 2:

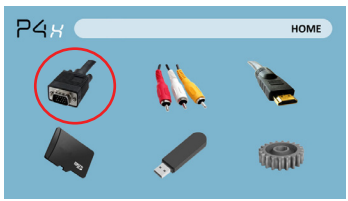
Connect the small end of the to your P4X's

VGA Cord

VGA Adapter

Step 3:

In the Main Menu



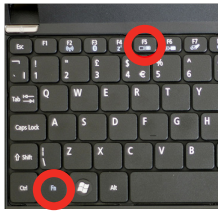
Select "VGA" icon

Connecting to a Computer Cont.

Step 4:

Enabling VGA or HDMI output on your Computer – To enable VGA or HDMI output on your computer most computers require “turning on” the video output feature. Each computer is different. Please consult your owner’s manual for instructions to enable VGA or HDMI output. Below are standard instructions for a Windows XP computer – not all systems are the same.

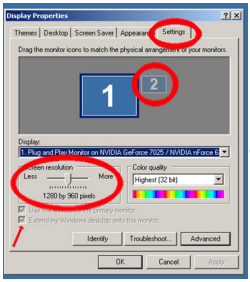
Step 5:



Press function & “F5” to instruct the computer to enable multiple displays.
You can also press Windows+P to toggle through display settings.

*NOTE: different operating systems may differ

Step 6:



1. Right click on computer desktop and select “Properties”
2. Display Properties window will pop up
3. Click on the “Settings” Tab
4. If a secondary monitor is grayed out, click on it and check “Extend my Windows Desktop onto this monitor”
5. If the image is blurry or the text is not legible, adjust the screen resolution. We recommend 800x600 or 1024x768.

Connecting to a Computer via HDMI

Step 1:

Connect the large end of the to your computer's

HDMI Cord HDMI Adapter

Step 2:

Connect the small end of the to your P4X's

HDMI Cord HDMI Adapter

Step 3:

In the Main Menu

Select "HDMI" icon

Connecting to a Computer Cont.

Step 4:

Enabling VGA or HDMI output on your Computer – To enable VGA or HDMI output on your computer most computers require “turning on” the video output feature. Each computer is different. Please consult your owner’s manual for instructions to enable VGA or HDMI output. Below are standard instructions for a Windows XP computer – not all systems are the same.

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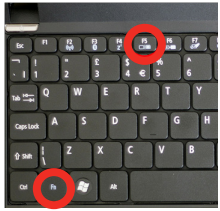

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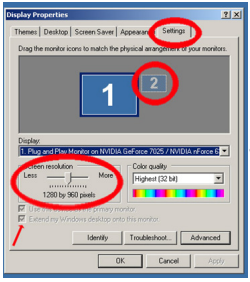

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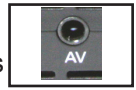
4. If a secondary monitor is grayed out, click on it and check “Extend my Windows Desktop onto this monitor”
5. If the image is blurry or the text is not legible, adjust the screen resolution. We recommend 800x600 or 1024x768.

Connecting to Composite Video

Step 1:

Connect one end of the to your P4X's 

Composite Cord A/V Adapter

Step 2:

Connect opposite end of to your devices

Composite Cord Composite Cord

Connecting to Composite Video Cont.

Step 3:

In the Main Menu

Select “AV” icon

Step 4:

Turn on your multimedia device.

Connectivity with multimedia devices

The P4X can connect to many media devices including: iPod, iPhone, iPad, VHS players, DVD 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 P4X.

Connecting to HDMI Video

Step 1:

Connect one end of the to your P4X's

Mini-HDMI

HDMI Adapter

Step 2:

Connect opposite end of to your devices

HDMI Adapter

Connecting to HDMI Video Cont.

Step 3:

In the Main Menu

Select “HDMI” icon

Step 4:

Turn on your multimedia device.

Connectivity with multimedia devices

The P4X can connect to many media devices including: iPod, iPhone, iPad, VHS players, DVD 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 P4X.

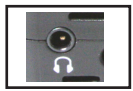
Connecting Speakers/Headphones

Step 1:

Connect your speaker or headphones

3.5 mm cord

to your P4X's



Speaker Adapter

Step 2:

Ensure the power and volume on your speaker or headphones is turned on

Step 3:

Place headphones/earphones in/over ears

Caution for Earphone (Earplug) Use

- Prolonged use at high volume may impair your hearing.

Micro SD Card

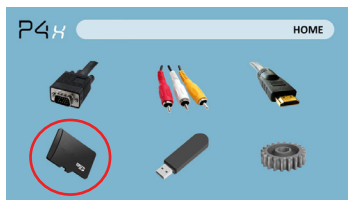
How to insert your Micro SD Card

- Slide in your SD card into the SD card slot on the front of the P4X. (as shown in picture)
- Gently slide the SD card until it *clicks* into place.

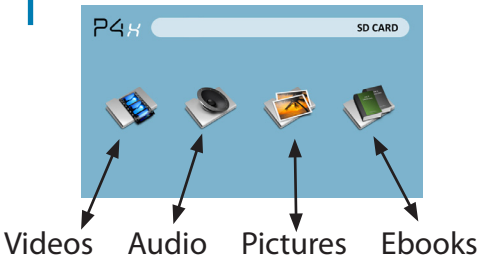
How to access your Micro SD Card

- Once your SD card has been inserted, you can navigate to the SD card icon in the main menu.
- After selecting SD card mode you should now be able to access the data on the SD device through the onboard media player.

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

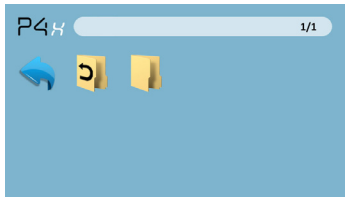


Micro SD Card Cont.



Media Player menu

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



File Menu System

- The P4 will show all folders and files you have on your SD Card.
- Use the directional buttons to navigate to different folders or files.

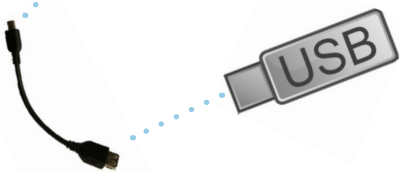
Return: Brings you back to the main menu

Up Folder: Brings you back to the previous folder

USB Host

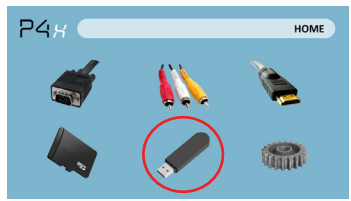
How to insert your USB Drive

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



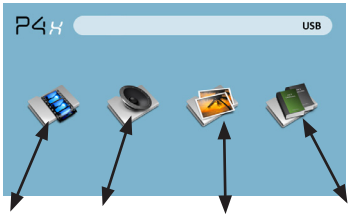
How to access your USB Drive

- Once your USB Drive has been inserted, you can navigate to the USB icon in the main menu.
- After selecting USB Drive Mode you should now be able to access the data on the USB drive through the onboard media player.



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

USB Host Cont.



Media Player menu

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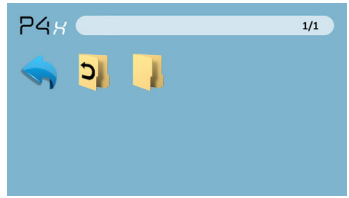
- Select the appropriate menu for the type of file you wish to view.



File Menu System

- The P4 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

Up Folder: Brings you back to the previous folder

Menu Screens

Chapter 3

Main Menu

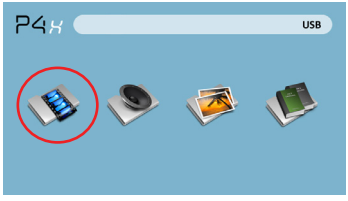
The P4X features a built in PMP (Portable Media Player) function.
This function allows the projector to play videos, pictures, music files, and text. To access the main menu simply turn on the projector.

- Scroll Left/Right by pressing the rewind/fast foward 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 back on the far right just underneath the directional keypad.

Video Player Menu

Opening a file:

- Select hardware media is stored on.
- Select file from list



Select the “video” icon

The P4X will show all folders and files you have on your USB or SD Drives. Use the directional buttons to navigate to different folders or files.

Previewing Files:

- Press the directional keys to highlight the item of interest
- Wait 2-3 seconds and a preview of the video will show on the screen

Video Player Menu

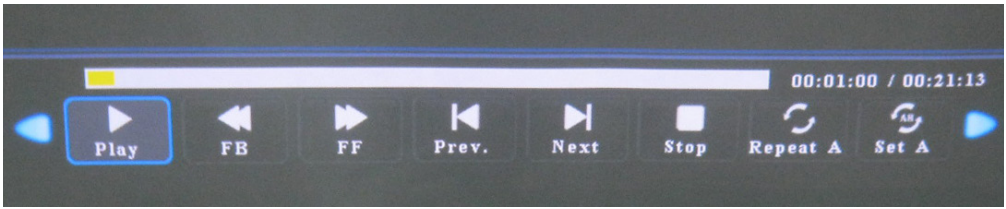
Playing Videos

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



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

Photo Menu

Opening a file:

- Select hardware media is stored on.
- Select file from list

Select the “photo” icon

The P4X will show all folders and files you have on your USB or SD Drives. Use the directional buttons to navigate to different folders or files.

Previewing Files:

- Press the directional keys to highlight the item of interest
- Wait 2-3 seconds and a preview of the picture will show on the screen

Photo Menu

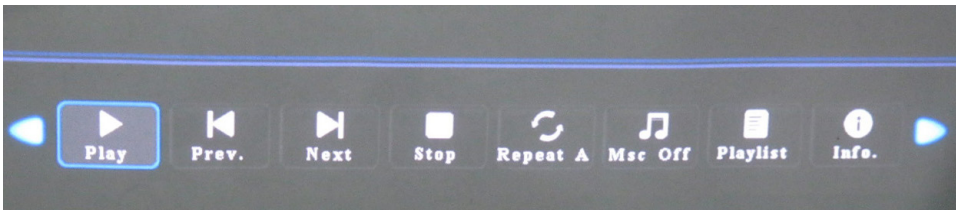
Viewing Pictures

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

Move selection left

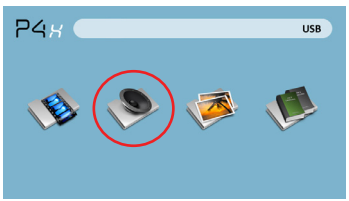
Move selection right

Confirm selection



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

Music Player Menu



Opening a file:

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

Select the “Audio” icon

The P4X will show all folders and files you have on your USB or SD Drives. Use the directional buttons to navigate to different folders or files.

Previewing Files:

- Press the directional keys to highlight the item of interest
- Wait 2-3 seconds and a preview of the audio will show on the screen

Music Player Menu

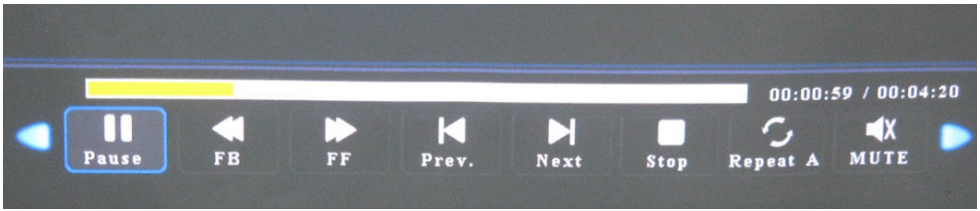
Listening to Audio

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

Move selection left

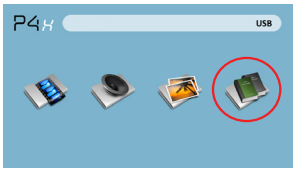
Move selection right

Confirm selection



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

EBook Viewer Menu



Opening a file:

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

The P4X will show all folders and files you have on your USB or SD Drives. Use the directional buttons to navigate to different folders or files.

Viewing text files

The P4X 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 or remote 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 more submenus that allow you to customize your P4X to the settings you want.

Picture
- Picture Mode
- Color Temperature
- Aspect Ratio
- PC Setup
- Backlight

Sound
- Sound Mode

Time
- Clock
- Sleep timer
- Off Time

Option
- OSD Language
- Restore Factory Default
- Blending
- OSD Duration

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 evern 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 P4X 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 P4X projector is 854x480 and accepts up to 1280x800. 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
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 proejctor. Confirm that the unit is 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 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 codex are supported. Verify that the file was encoded properly.

Specifications

Brightness	**80 Lumens**
Native Resolution	**WVGA(854x480)**
Maximum Resolution	**WXGA(1280x800)**
Contrast Ratio	**2000:1**
Projectoin Lens:	**Manual Focus**
Image Size:	**10~80 inches**
Lamp:	**20,000 hour RGB Triple LEDs**
Video in:	**Composite A/V** **VGA(mini-VGA)** **HDMI(mini-HDMI)**
Audio Output:	**1.0 W stereo speakers** **3.5 mm audio jack**
SD Card	**SD-HC Card Slot** **(32GB maximum)**
USB:	**USB Host** **(Memory Sticks)**
Dimensions	**172x71x31mm**
Weight	**0.5 lbs**
Supported File Formats	**AVI, MPG, MP4, MP3,**

Please direct all customer service inquiries to:

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info@aaxatech.com